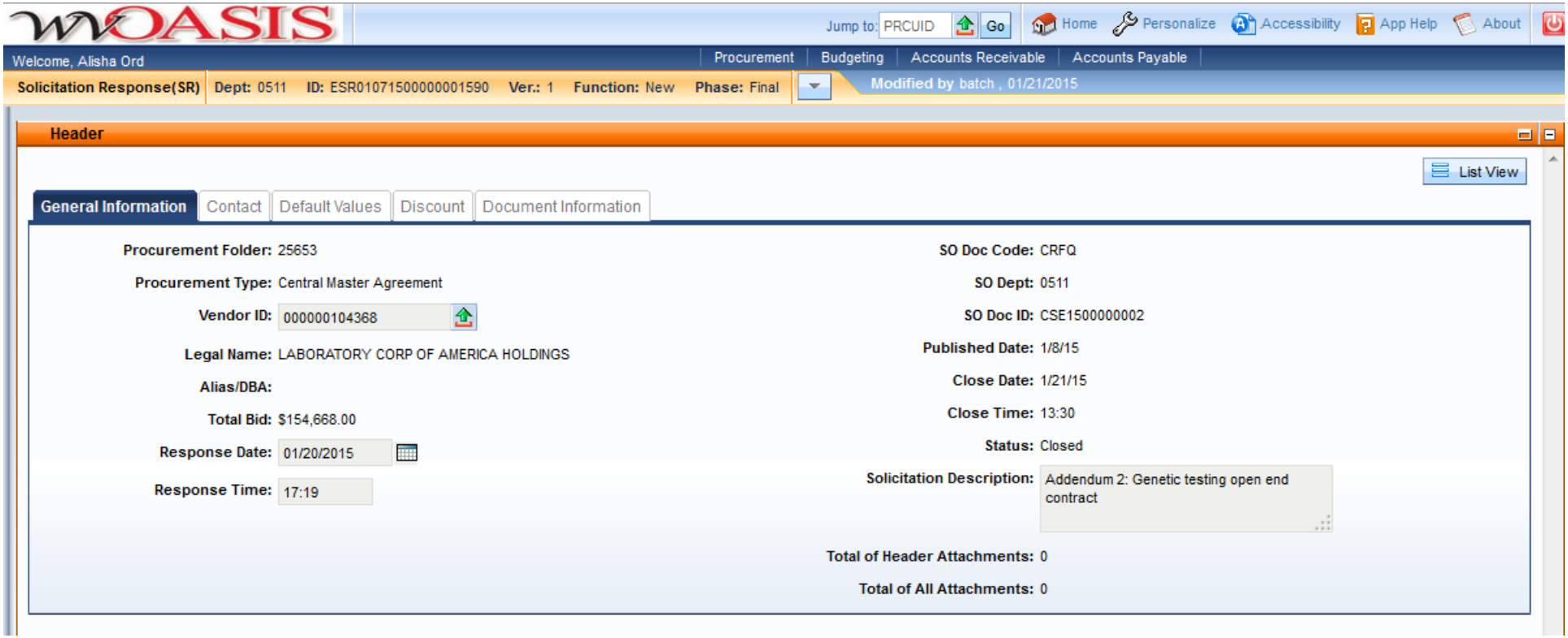
The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.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Solicitation Response(SR) Dept: 0511 ID: ESR01071500000001590 Ver.: 1 Function: New Phase: Final
Modified by batch , 01/21/2015
Header
List View
General Information
Contact
Default Values
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Document Information
Procurement Folder: 25653
Procurement Type: Central Master Agreement
Vendor ID: 000000104368
Legal Name: LABORATORY CORP OF AMERICA HOLDINGS
Alias/DBA:
Total Bid: $154,668.00
Response Date: 01/20/2015
Response Time: 17:19
SO Doc Code: CRFQ
SO Dept: 0511
SO Doc ID: CSE1500000002
Published Date: 1/8/15
Close Date: 1/21/15
Close Time: 13:30
Status: Closed
Solicitation Description: Addendum 2: Genetic testing open end contract
Total of Header Attachments: 0
Total of All Attachments: 0

Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State Of West Virginia
Solicitation Response

Proc Folder : 25653

Solicitation Description : Addendum 2: Genetic testing open end contract

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation No	Version
	2015-01-21 13:30:00	SR 0511 ESR01071500000001590	1

VENDOR

000000104368

LABORATORY CORP OF AMERICA HOLDINGS

FOR INFORMATION CONTACT THE BUYER

Robert Kilpatrick

(304) 558-0067
robert.p.kilpatrick@wv.gov

Signature X **FEIN #** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Buccal Swab Collection and Analysis by Vendor	3310.00000	EA	$29.00	

Comm Code	Manufacturer	Specification	Model #
85131709			

Extended Description : Buccal Swab Collection and Analysis by Vendor

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Buccal Swab collection by BCSE/Analysis by Vendor	2654.00000	EA	$22.00	

Comm Code	Manufacturer	Specification	Model #
85131709			

Extended Description : Buccal Swab Collection by BCSE/Analysis by Vendor

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Collection/Analysis for Special Circumstances	10.00000	EA	$29.00	

Comm Code	Manufacturer	Specification	Model #
85131709			

Extended Description : Special Circumstances
e.g. Deceased Individuals, Collection/Analaysis of Blood or Other Tissue Samples

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ_CSE1500000002

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[X]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Laboratory Corporation of America Holdings (LabCorp)
Company

Angie R. Miller
Authorized Signature

1/19/2015
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

CERTIFICATIONAND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Laboratory Corporation of America Holdings (LabCorp)
(Company)

Angie R. Miller Angie R. Miller, Contract Manager
(Authorized Signature) (Representative Name, Title)

(336)436-7355 - (336)538-6572 - 1/19/2015
(Phone Number) (Fax Number) (Date)

RFQ No. CSE15*02

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"**Debt**" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"**Employer default**" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"**Related party**" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Laboratory Corporation of America Holdings (LabCorp)

Authorized Signature: Angie R. Miller Date: 1/19/2015

State of North Carolina

County of Alamance, to-wit:

Taken, subscribed, and sworn to before me this 14th day of January, 2015.

My Commission expires 3-6-16, 2016.

AFFIX SEAL HERE

NOTARY PUBLIC Linda Stanfield

Purchasing Affidavit (Revised 07/01/2012)

LINDA STANFIELD
Notary Public, North Carolina
Alamance County
My Commission Expires
March 06, 2016

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with ***West Virginia Code***, §5A-3-37. (Does not apply to construction contracts). ***West Virginia Code***, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the ***West Virginia Code.*** This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
___ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**
___ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or,**
___ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or,**

2. **Application is made for 2.5% vendor preference for the reason checked:**
___ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**

3. **Application is made for 2.5% vendor preference for the reason checked:**
X Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or,**

4. **Application is made for 5% vendor preference for the reason checked:**
___ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or,**

5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
___ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or,**

6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
___ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**
___ Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Laboratory Corporation of America Holdings (LabCorp) Signed: Angie R. Miller

Date: 1/19/2015 Title: Contract Manager

TABLE OF CONTENTS	
DESCRIPTION	**PAGE**

DNA Identification Testing Division
1440 York Court
Burlington, NC 27215
Telephone Number: (800) 742-3944
Fax Number: (336) 538-6572
www.labcorp.com/paternity

January 19, 2015

Robert P. Kilpatrick
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305

Dear Mr. Kilpatrick:

Laboratory Corporation of America® Holdings ("LabCorp") submits this proposal in response to the Request for Quotation No.: CFRQ 0511 CSE1500000002 for Genetic Testing open end contract to the State of West Virginia, Department of Health and Human Resources, Bureau for Child Support Enforcement ("Agency"). LabCorp acknowledge receipt of two (2) Addenda for this RFQ.

LabCorp has a history of identity/paternity testing that has inspired trust since 1981. This experience translates into the expertise and knowledge needed to evaluate relationship cases from the simple case of mother, child, and alleged father, to the complex case and special circumstance such as distant relationships or deceased individuals. LabCorp has performed DNA tests in support of more than two (2) million cases and offers the scientific leadership for high quality results you can trust and the operational experience to help coordinate convenient collections. We maintain standards set by regulators like AABB, as well as those set by various state and government agencies. LabCorp's mission is to provide you with results you can trust.

LabCorp has been providing genetic parentage testing services continuously to the Agency for three (3) years as statewide vendor. As current vendor, LabCorp has been successful in establishing and implementing the services described in the RFQ. Additionally, LabCorp has maintained a successful working relationship with the Agency's staff and has the resources and experience to fulfill the requirements of a new Contract. With this extensive trust currently placed in LabCorp, the Agency can be confident there would be no lapse in service if LabCorp is selected to continue providing services under a new Contract.

The benefits afforded to the Agency in continuing to utilize LabCorp include:

- ***LabCorp is unique among paternity testing laboratories, having approximately 1,800 company-operated Patient Service Centers nationwide with over 10,800 collection sites in total. Our large network of laboratory facilities allows LabCorp to deliver effective and dependable daily service.***

- ***LabCorp was the first genetic laboratory serving the child support enforcement community to perform testing with over 20 genetic markers on every sample in conjunction with our double blind processing.***

- ***LabCorp has established over sixty (70) frequency tables for various ethnic/racial groups which are used to further strengthen our paternity calculations.***

- ***LabCorp has nine (9) full-time PhD Directors available to our clients for technical consultation and expert witness testimony.***

- ***LabCorp retains all specimens and records (partial and full cases) for seven (7) years.***

- ***LabCorp has extensive experience – over 32 years providing parentage testing.***

- ***LabCorp's employees have decades of parentage testing experience demonstrating a long-term commitment.***

- ***LabCorp provides quality customer service with a multi-tiered approach.***

- ***LabCorp is a financially stable company and an S&P 500 company.***

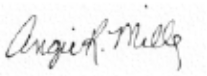
The LabCorp benefits are highlighted above to underscore their importance in making a direct, positive impact to the Agency by increasing paternity establishment rates; a key metric by which child support agencies are measured nationwide.

LabCorp is a publicly held corporation established under the laws of the State of Delaware and considers itself a good corporate citizen of the State of West Virginia in that it employs *approximately 362 individuals and maintains sixteen (16) company-operated Patient Service Centers within the State of West Virginia*. ***Any revenue generated from this contract will be credited towards the support of personnel and facilities maintained in the State of West Virginia, keeping West Virginia tax dollars in West Virginia.***

We trust that the above information, as well as our proposal, will enable you to favorably evaluate the services LabCorp has to offer and our ability to meet or exceed the RFQ specifications. If you have any questions, as the official representative for LabCorp for this bid response and any resulting Contract, my contact information is listed below.

Thank you for your consideration.

Sincerely,



Angie R. Miller, Contract Manager
LabCorp - DNA Identification Testing Division
1440 York Court
Burlington, North Carolina 27215
Direct Line: (336) 436-7355
Toll-Free: (800) 742-3944, extension 67355
Fax Number: (336) 538-6572
E-mail address: millera@labcorp.com

Background and Experience

The DNA Identification Testing Division has conducted genetic parentage testing services continuously for over thirty-two (32) years (since 1981) under the following company structures:

- Biomedical Reference Laboratory – founded March 5, 1969
- Roche Biomedical Laboratories – formed from Biomedical Reference Laboratory in 1983
- Laboratory Corporation of America Holdings – formed in 1995 from the merger of Roche Biomedical Laboratories and National Health Laboratory, Inc. and has operated under this structure for more than nineteen (19) years.

The DNA Identification Testing Division of LabCorp has been conducting genetic parentage testing services continuously since 1981. Many of the original employees from 1981 continue to work in the Division, which contributes to the strength of our expertise in partnering with Title IV-D programs. The collective experience of LabCorp's key and support personnel, assigned to this contract, collectively represents over 500 years at LabCorp providing genetic parentage testing services. This alone illustrates the depths of our knowledge and experience in providing genetic parentage testing services.

Parentage testing is part of LabCorp's DNA Identification Testing Division. The division is solely dedicated to genetic testing services. These services include: parentage and other relationships; genetic testing for medical purposes, such as screening populations for potential bone marrow donors and other related transplant testing, forensic testing and cell authentication. LabCorp has evaluated over two (2) million relationship cases and performed over six (6) million genetic tests for clients throughout the world.

LabCorp has evaluated over two (2) million relationship cases and performed over six (6) million genetic tests for clients throughout the world including West Virginia, all fifty (50) US states and territories and over 100 countries.

The integration of acquired genetic testing laboratories' best practices into LabCorp has enabled us to deliver a level of genetic testing expertise into the child support community in a unique and collaborative arrangement with our clients. LabCorp has acquired four (4) other paternity laboratories in recent years: Genetic Design, on November 1, 1996, Esoterix, Inc. and its subsidiaries, including Long Beach Genetics, Inc. on May 11, 2005, Orchid Cellmark, Inc. (Orchid) on December 15, 2011, Genetica DNA Laboratories, Inc. on September 10, 2012, and most recently, The Bode Technology Group, Inc. (Bode), which includes Chromosomal Labs, their paternity testing laboratory.

In a continuation of our ongoing effort to expand our reach to our now globally located child support clients, we have expanded our footprint and now operate multiple genetic testing laboratories both in the United States and the United Kingdom. Our domestic and international

expansions were expedited through LabCorp's acquisition of Orchid Cellmark in 2011. Specializing in both forensic and paternity testing, LabCorp uniquely leverages the scale of our global operations in order to benefit the Agency more effectively by combining and sharing best practices from among our five (5) testing facilities:

- Burlington, NC – Paternity and Clinical testing
- Dallas, TX – Forensic and Paternity testing
- Abingdon, United Kingdom – Forensic and Paternity testing
- Chorley, United Kingdom – Forensic testing
- The Bode Technology Group – Forensic testing

Among our five (5) genetic testing facilities we employ over 700 individuals, including laboratory technicians, DNA analysts, PhDs, customer service, IT, finance, HR and administration.

Our lab spaces occupy nearly 200,000 square feet and LabCorp is proud to claim that together our team manages the largest set of DNA identification facilities under single ownership in the world.

All parentage identification testing for this Contract will be performed at our DNA Identification Testing Division laboratory located in Burlington, North Carolina; centrally located on LabCorp's 73 acre campus which houses over 200,000 square feet of laboratory space of state-of-the-art parentage testing and clinical capabilities. Within the campus our DNA Identification laboratory occupies approximately 70,000 square feet of modern laboratory space in a secured facility (i.e., magnetic security badge is required for entry) dedicated to genetic testing and is fully equipped for high quality testing. LabCorp operates three (3) work shifts seven (7) days per week; therefore, except for a few key holidays, LabCorp is always open.

LabCorp – DNA Identification Testing Division
located on our 73 acre campus in Burlington, NC

Meet our Key Management Staff at LabCorp:

Management Staff	Title	Years At LabCorp
Brian Grajzar	Associate Vice President & General Manager	9
Dr. George Maha	Associate Vice President & Laboratory Director	27
Dr. Uwe Heine	Associate Vice President & Technical Director	28
Jerry Jones	Laboratory Operations Manager	33
Diane Holt	Customer Service Manager	34
David Norris	IT Manager	25
Angie Miller	Contract Manager	30
Harriet Meadows	Account Manager Supervisor	33

The above Management Team members are all full-time employees of LabCorp.

This team, along with the supervisory staff, has decades of experience that translates into a high level of expertise and ability in providing quality service within required timeframes.

The Laboratory Director, Dr. George C. Maha, and a staff of eight (8) Directors, all of whom possess Ph.D. degrees in biomedical sciences relevant to paternity testing, comprise the most experienced professional staff in the parentage testing industry. Among their duties is the provision of expert testimony. In addition, these experts work closely with child support agencies, attorneys, and the US Department of Homeland Security in the practical applications of parentage testing results. LabCorp is also distinguished as the source of speakers for conferences, workshops, etc. where the topic is related to paternity establishment.

Unique among paternity testing laboratories, is LabCorp's company-operated nationwide Patient Service Center network. LabCorp maintains, exclusively for the use of its clients, approximately 1,800 company-operated Patient Service Centers conveniently located throughout the United States, including thirteen (13) located in West Virginia, currently available for use on this Contract. LabCorp Patient Service Centers are available for use to better facilitate the intergovernmental (formerly interstate) scheduling process. Our large network of Patient Service Centers allows us to deliver effective and dependable daily service, which includes our extensive courier services.

LabCorp utilizes a large database of over 9,000 alternate sample collection locations worldwide. In total, LabCorp has access to over 10,800 collection sites from which it can satisfactorily service the Agency, accommodating more than the collection needs of this Contract. Through this support system LabCorp provides a variety of specimen collection, client support, and patient services.

At LabCorp, quality is our primary concern. Quality control programs developed by LabCorp meet or surpass requirements set by the federal government and other licensing agencies as well as the AABB, and the College of American Pathologists (CAP). Using a variety of internal quality control programs, results from every laboratory department are closely monitored. In addition, LabCorp is inspected regularly by state, federal and the above accrediting groups.

LabCorp performs all testing in strict accordance with the most current Standards for Relationship Testing Laboratories as published by the AABB, and has been regularly inspected and accredited by the AABB continuously since 1987. LabCorp performs DNA testing using only validated techniques and procedures that are commonly accepted within the scientific and legal communities and are accepted by the agencies accrediting our operations including AABB and the College of American Pathologists (CAP).

LabCorp offers DNA testing services that can be conducted prior to birth while a woman is still pregnant by using a variety of methods to determine the paternity of a baby or babies. Like all of our genetic testing services, LabCorp offers state-of-the-art prenatal testing methods directed at providing the most accurate genetic results to our clients. We understand that traditional child support enforcement processes may require a baby to be born prior to the establishment of

paternity. As a national provider of healthcare services for over forty (40) years, LabCorp's longstanding relationships with hospitals, doctor offices and healthcare professionals across the country uniquely distinguishes the LabCorp network of resources and helps to ensure we provide the utmost care and guidance to the family involved when prenatal testing is requested. By offering prenatal testing services and constantly advancing the technologies associated with genetic testing, LabCorp continues to be consistently relied upon as a highly capable and responsible genetic testing partner for all of our comprehensive paternity testing services.

LabCorp has reviewed the RFQ and has a clear understanding of the requirements for this Contract. LabCorp is dedicated to the Agency and the clients we serve together, in providing comprehensive paternity genetic testing services.

LabCorp offers all services required for parentage testing today. The laboratory continually refines its services as new technologies emerge. LabCorp has extensive experience and demonstrated knowledge in providing parentage testing services in the following programs: public (government) agencies, private agencies including doctors and attorneys, immigration and adoption agencies.

KEY PERSONNEL

LabCorp has thirty-three (33) years of experience providing genetic parentage testing services. The collective experience of LabCorp's key and support personnel, assigned to this Contract, represent over 500 years of experience at LabCorp providing paternity genetic testing services. Many of the personnel for this project have at least fifteen (15) years of experience working at LabCorp providing genetic parentage testing services. LabCorp has the necessary technical and human resources required to provide timely and quality genetic testing services to the Agency.

In 2014 this staff facilitated the processing of more than 400,000 relationship testing samples all in accordance with AABB standards. In the past five (5) years LabCorp has processed in excess of one (1) million samples for parentage testing.

LabCorp's DNA Identification Testing Division is currently staffed by over 150 full-time, qualified employees dedicated to all aspects of parentage testing, from technical to administrative. LabCorp is well-positioned to handle current and projected volumes of this Contract. The laboratory operates three (3) shifts and is open seven (7) days a week.

Meet our Key Personnel for West Virginia:

Teresa King, Account Manager (800) 742-3944, extension 67413
George C. Maha, Ph.D., Laboratory Director (800) 742-3944, extension 67307
Diane Holt, Customer Service Manager (800) 742-3944, extension 67552
Marcus Howard, Regional Account Executive (800)742-3944, extension 67422

Account Manager:

In addition to a large staff of customer service representatives readily available to respond to quick inquiries, the Account Manager, Teresa King, will be available to interact with the Agency and assist with the responsibility for the overall performance of the Contract. Teresa will coordinate the implementation of LabCorp's genetic testing services and address any inquiries, which may be generated regarding these services. She will ensure specimen collectors receive proper training, adequate supplies are provided, and provide more in-depth research of client questions. Teresa will also be responsible for arranging specimen collection coverage, providing account and case management reports, responding to billing inquiries, and investigating any inquiries that may arise regarding these services. Teresa has over seven (7) years of experience with the DNA Identification Testing Division working with our clients.

As Account Manager, Teresa's general responsibilities include but are not limited to interacting with local child support enforcement offices, monitoring case reports, and conducting training. Additionally, she visits clients and provides literature detailing new and innovative laboratory features and methodologies. Teresa also attends local and state funded conferences as needed.

Laboratory Director:

Dr. George C. Maha, Associate Vice President and Laboratory Director, has over thirty (30) years of experience in laboratory science. During his twenty-seven (27) years with LabCorp, Dr. Maha has been performing testing for parentage using a variety of technologies including HLA (Human Leukocyte Antigens), red cell antigens, red cell enzymes, serum proteins, DNA by RFLP technology and PCR-AMPFLP, PCR-dot plot, PCR-STR technologies. Prior to joining LabCorp,

Dr. Maha was Chief of a medical genetics laboratory. He has taught a variety of science courses, such as Human Genetics and Medical Genetics. Dr. Maha is a member of several scientific organizations and legal groups. He was an observer to the National Conference of Commissioners on Uniform State Laws revision of the Uniform Parentage Act, was Vice Chair of the Paternity Committee of the ABA Family Law Section and is a consultant to the AABB's Relationship Testing Standards Program Unit (RT SPU). He is also a past Chairman of the RT SPU. Dr. Maha is also a consultant to the Histocompatibility/Identity Testing Committee of the College of American Pathologists. He has testified as an expert in genetic testing in over 100 trials in 24 states. He has also given numerous presentations on various scientific and legal aspects of genetic testing.

Dr. Maha's educational background includes studies at Upper Dublin Senior High School in Fort Washington, Pennsylvania; a B.A. and M.S. degree in Biology from St. Louis University; a Ph.D. from the Department of Genetics and Development at the University of Illinois, Urbana-Champaign; and a JD from North Carolina Central University, School of Law. Dr. Maha completed his Biomedical Laboratory Internship at Malcolm Grow USAF Medical Center and he was a Captain in the United States Air Force. He received board certification as a Ph.D. Medical Geneticist in 1987 from the American Board of Medical Genetics; as a Medical Technologist (MT) in 1983 from the American Society of Clinical Pathologists (ASCP); and has a certificate of qualification as a Laboratory Director from the New York State Department of Health. He was also admitted to the North Carolina Bar in 1995.

As Laboratory Director, Dr. Maha is responsible for the overall operation of the laboratory and is a part of the Division's management team; Dr. Maha supports our business development initiatives. He is involved in the ongoing development and review of our QA/QC program. He creates SOPs for our new testing and reviews existing SOPs for correctness and updates. He handles difficult paternity calculations and keeps the laboratory operating according to AABB guidelines by advising the lab during test setup and modification. He also handles client calls to consult on paternity questions and family studies and develops methods to simplify complex paternity and family study calculations. Dr. Maha speaks at scientific and legal conferences as well as training sessions at both a State and National level. He also provides expert witness testimony in paternity cases. Dr. Maha heads up onsite inspections by our accrediting agencies and he advises a staff of eight (8) Directors on any paternity related issues they may have. Dr. Maha can be reached by phone at (800) 742-3944, extension 67307.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health Medical Technologist, American Society of Clinical Pathologists
Ph.D. Medical Geneticist, American Board of Medical Genetics
Admitted, North Carolina Bar

Professional Associations: AABB, ISFG

Customer Service Manager:

Diane Holt, Customer Service Manager, is responsible for the overall operation of the customer service and immigration teams and is a member of the Division's management team. Ms. Holt has over thirty-four (34) years of experience at LabCorp, overseeing a large staff of customer service representatives readily available to respond to quick inquiries. She was the recipient of the Customer Delight Award for her efforts in achieving the highest Customer Delight scores in the Company. She has also received an Excellence In Patient Care award. As Customer Service Manager, Ms. Holt's responsibilities include supervising and managing the administrative functions of parentage testing, including customer service and intergovernmental scheduling. She manages the daily operational activities of the paternity Customer Service Department including work flow, quality control and cost management. Additionally, she communicates with major clients on a routine basis to resolve problem area and to assure appropriate resolution in relevant matters.

Regional Account Executive:

Marcus Howard, Regional Account Executive, will be dedicated to the State of West Virginia providing assistance with the implementation of LabCorp's genetic testing services. Mr. Howard will be responsible for assuring customer satisfaction and will be dedicated to meeting the needs of the Agency. Mr. Howard has over fourteen (14) years of experience servicing LabCorp clients.

As Regional Account Executive, Mr. Howard's primary responsibility includes but is not limited to acquiring and retaining new and existing accounts within a specific geographic territory while being sure to focus on the health and satisfaction of the new and existing accounts within the same geographic territory. Mr. Howard also attends local and State funded conferences as needed. He will be available to the staff of the Agency as needed.

LabCorp's support personnel for this Contract:

Director Staff:

LabCorp's Director Staff each possesses a bachelor's degree from an accredited four-year institution as well as a Ph.D. degree in biomedical science and combined represent many years of experience in the specialty of parentage testing and associated expert testimony.

Gary M. Stuhlmiller, Ph.D. has worked in LabCorp's DNA Identification Testing Division for over twenty-two (22) years and has provided expert testimony services in over 225 court cases. He has been recognized with the President's Achievement Award, given to a select few employees throughout LabCorp who have excelled at making specific, unique contributions during the year.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health

Professional Associations: ASHI, American Association of Immunologists, NCSEA

Karl-Hans Wurzinger, Ph.D. has worked in LabCorp's DNA Identification Testing Division for over twenty-two (22) years and has provided expert testimony services in over 200 court cases.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health

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Lloyd C. Osborne, Ph.D. has worked in LabCorp's DNA Identification Testing Division for over twenty-five (25) years and has provided expert testimony services in over 200 court cases.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health

Professional Associations: AABB, ASHI

Ruth P. Koester, Ph.D. has worked in LabCorp's DNA Identification Testing Division for over fifteen (15) years and has provided expert testimony services in over fifty (50) court cases.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health
Diplomate, American Board of Histocompatibility and Immunogenetics (ABHI)
Professional Associations: ASHI

Cynthia J. Taves, Ph.D. has worked in LabCorp's DNA Identification Testing Division for over ten (10) years and has provided expert testimony services in five (5) court cases.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health Diplomate, American Board of Histocompatibility and Immunogenetics (ABHI) Professional Associations: AABB, ASHI, European Foundation for Immunogenetics (EFI)

Michael W. Schmiederer, Ph.D., MT(ASCP) joined LabCorp after completing a post-doctoral training and research at University of Texas Medical Branch, Galveston, Texas. He has a Bachelor of Science degree in Medical Technology from the Florida Atlantic University and a Ph.D. in Molecular Bacteriology from University of South Florida, College of Medicine. Dr. Schmiederer is also certified as a Medical Technologist by the American Society of Clinical Pathologists.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health Medical Technologist, American Society of Clinical Pathologists

Professional Associations: American Association of Clinical Pathologists, American Association for the Advancement of Science (AAAS)

Megan Shaffer Mackenzie, Ph.D. completed her Ph.D. at Louisiana State University Health Sciences Center, Shreveport in Microbiology and Immunology and completed post-doctoral training at Louisiana State University Health Sciences Center, New Orleans in 2001. She is also trained as a paralegal. Prior to joining LabCorp she was a laboratory director and technical leader of a forensic laboratory. Dr. Shaffer has over twelve (12) years of experience in paternity testing and forensic analysis, and assisted with the victim identification project following hurricane Katrina. She has appeared in 18 trials.

The primary responsibility of our experts is to provide courtroom testimony. However, in addition to courtroom testimony, their testimony experience includes in-person testimony, telephonic testimony, discovery requests, written interrogatories and depositions. The trials in which LabCorp's experts have testified include admissibility hearings (Frye hearings), Civil trials and Criminal trials.

Technical Director:

Dr. Uwe Heine, Associate Vice President, is the laboratory's Technical Director of Research and Development. Dr. Heine has worked for LabCorp since 1986 and in this Division since 1989. Dr. Heine received a Bachelor of Science degree in Bacteriology and Botany from Ohio

Wesleyan University. He received a Master of Arts and Doctor of Philosophy degree in Microbiology from Indiana University. Dr. Heine was the recipient of the 2001 Chairman's Award, given to a select few employees throughout LabCorp who have excelled at making specific, unique contributions during the year. Dr. Heine has helped to bring on line much of the current DNA technology used in the laboratory for parentage testing today.

As Technical Director, Dr. Heine is responsible for new genetic test development, validation, troubleshooting, and optimizing existing procedures. He works closely with the QA/QC committee in the DNA Identification Testing Division to maintain the highest levels of quality and reliability in our testing. Dr. Heine is available for consultation by clients who may have questions about test results. Additionally, as a part of the Division's management team, Dr. Heine supports our business development initiatives to maximize our value to our clients.

Certification or Boards:
Laboratory Director Certificate of Qualification, New York State Department of Health

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Laboratory Operations Manager:

The laboratory's operations manager, Jerry Jones, has over thirty (30) years of experience with LabCorp's DNA Identification testing and analysis. Mr. Jones is an exceptional manager and has completed a General Manager Development Program, and the Circle of Excellence. He has been recognized twice with the President's Achievement Award (now called the Chairman's Award), given to a select few employees throughout LabCorp who have excelled at making specific, unique contributions during the year. Mr. Jones has also received a Corporate Achievement Award.

As Lab Manager, Mr. Jones' responsibilities include managing the technical (testing) and non-technical (accessioning/records management) aspects of the laboratory. He provides overall direction to the laboratory supervisory staff and all appropriate areas of responsibility and ensures consistent applications of testing procedures are performed. He also reviews and maintains company and departmental policies, procedures, plans and objectives; ensuring that they are fully understood, properly implemented and interpreted by the departmental staff. Mr. Jones also assists in resolving major operational and technical issues and oversees the Division's quality control/quality assurance program, as well as safety.

Quality Assurance/Safety Officer:

The DNA Identification Testing Division has its own Quality Assurance/Safety Officer, Ms. Beth Clifton. Ms. Clifton is dedicated to the quality control and quality assurance of this department. She was the recipient of the 2008 Chairman's Award, given to a select few employees throughout LabCorp who have excelled at making specific, unique contributions during the year. She has been with the company over thirty (30) years and has worked in this position for over ten (10) years.

As QA Manager, Ms. Clifton is responsible for providing leadership in the areas of quality assurance, quality control, quality related training and standardization compliance within the laboratory. She coordinates and tracks external and internal proficiency testing, conducts inspections, ensures corrective action, tracks and documents various reports, and provides documentation to Corporate. She is also responsible for project management activities as they relate to identified areas within the laboratory requiring standardization to improve the quality and/or efficiency of operations. Further responsibilities include attending all safety committee meetings and maintaining up to date safety manuals and safety training programs as well as all departmental Standard Operating Procedure Manuals (SOPs).

Supervisors:

In concert with the doctoral and management staff, the laboratory's supervisors represent over 200 years of experience collectively overseeing the extensive staff responsible for receipt of samples, testing, report generation, client services, and administrative tasks, etc. They are assisted by Group Leaders who work directly with our personnel at the task level. The following supervisors have received Laboratorian of the Year Awards for their contributions and outstanding performance in customer delight, leadership, quality, and community involvement: Tina Page-Cates (1996), Jason Munroe (1996), and Kathy VonCannon (1997). Harriet Meadows was the recipient of the (1994) President's Achievement Award and (2001) Excellence in Patient Care Award for her outstanding efforts in the HLA testing business. It is a requirement that supervisors possess, at a minimum, an Associate's Degree with 3-5 years of experience.

Laboratory Accessioning:

Once received in the laboratory the specimens are accessioned into the laboratory by LabCorp's full time staff. These are individuals who are specifically trained to review the packaging and samples for signs of tampering, complete the shipping chain of custody documentation, evaluate the labeling of the samples against the submitted documentation, assign specimen numbers to the samples, create a new case file if needed or place the samples in an existing case file, and enter the data into LabCorp's secure computer system. LabCorp has sufficient staff to accession the

samples for this Contract and can handle additional volume. The full time staff member over the Accessioning and Date Entry Departments is Mr. Joe Maggi.

As the Accessioning Supervisor, Mr. Maggi, with over twenty (20) years of experience supervising the accessioning department of a paternity testing laboratory, is responsible for overseeing the accessioning steps and data entry aspects of receiving samples into the laboratory. He is conscientious of the importance of chain of custody, and the role his staff plays in its maintenance. He is responsible for establishing work flow for accessioning employees, scheduling work assignments, insuring the training of personnel, accomplishing performance evaluations, and overseeing the quality control of the department.

Laboratory Supervisors:

After accessioning the testing of the samples begins. The complex testing includes the extraction, amplification (PCR), and reading of the results. LabCorp has a large technical staff of skilled employees that run samples through the entire process. The testing is performed in accordance with accreditation and licensing requirements, as well as the specifications found in the RFQ. LabCorp has sufficient staff to perform the testing required under this Contract and has the capacity to accept additional samples. The laboratory supervisors are as follows:

Kathy VonCannon, Supervisor I, DNA (1st Shift), has over twenty-two (22) years of experience with LabCorp providing paternity testing services. She is responsible for scheduling work flow of the DNA testing laboratory. She troubleshoots technical issues as they arise and assists in the implementation of changes to resolve them. Ms. VonCannon received the Laboratorian of the Year Award in 1997 for her contribution and outstanding performance in customer delight, leadership, quality, and community involvement.

Stephanie Wars-Williams, Supervisor I, DNA is the supervisor for the paternity program on second shift (evening/night). Her duties include arranging personnel schedules and workflow within the laboratory. Ms. Wars-Williams has over seventeen (17) years of experience at LabCorp in DNA testing.

Tina Page-Cates, Supervisor I, HLA, Class I & II (2nd Shift), has over twenty-four (24) years of experience with LabCorp working in the technical areas of the lab. She is responsible for overseeing the PCR DNA testing for HLA on second shift, including staffing, scheduling work flow, area QA/QC, and final result interpretation. Tina received the Laboratorian of the Year Award in 1996 for her contribution and outstanding performance in customer delight, leadership, quality, and community involvement.

Jason Munroe, Supervisor I, DNA & HLA, Class I & II (Weekends), has over thirteen (13) years of technical experience with LabCorp. He is responsible for monitoring operations to ensure continued workflow, building and equipment for employee safety, and proper specimen storage over the weekend shifts. He also assists in the developing and implementation of lab procedures. Mr. Munroe received the Laboratorian of the Year Award in 1996 for his contributions and outstanding performance in customer delight, leadership, quality, and community involvement.

The overall responsibilities of the Laboratory Supervisor include but are not limited to assigning, overseeing and reviewing the work of lab employees. They direct all phases of work, quality, service and costs; and perform tests or assays as required. Likewise, they coordinate the work of other lab technologist and technicians. In addition to performing the functions of Senior Technologist/Technician, the supervisor is responsible for administering the quality control program, ensuring that scheduled time frames are met, advising management of problem areas, assisting in employee actions, acting as liaison with other departments and customers on technical inquiries and test results.

Technical Staff:

Once passing a background check the personnel are hired and put through a rigorous training program. This training meets the requirements of the federal Clinical Laboratory Improvement Amendments (CLIA) for a high complexity laboratory technician. This includes training to gain experience in the sophisticated equipment used in the testing process such as robots, capillary electrophoresis, thermal cyclers, computer use and routine procedures such as use of a pipette and thermometers. The staff also receives training on the use of personnel protective equipment and the proper handling and disposal of hazardous materials. This staff is thoroughly trained on the quality control and quality assurance procedures for the techniques used in the laboratory. They are regularly tested using both internal and external proficiency testing programs for as long as they are employed at LabCorp and they are required to regularly participate in continuing education programs. All personnel are also trained regarding their duty to protect the confidentiality of LabCorp's clients.

Records Management:

Records management maintains all the required files and sends reports to the clients. LabCorp has the staff to handle the needs of this RFP and additional samples. The full time staff member for the reporting and records process is Charlotte Dunn, Support Services Supervisor. Ms. Dunn has been with the company over twenty-four (24) years. She is the supervisor over the Records Management section of the division, which includes Open Records, Closed Records, and Mail Outs.

As Support Services Supervisor, Ms. Dunn is responsible for managing and overseeing the record keeping operation to ensure a smooth flow of all cases through the administrative areas of the division. She coordinates and directs the activities of assigned laboratory support operations on a daily basis, provides expertise and guidance to staff in researching, troubleshooting and resolving issues and she ensures that there is adequate personnel coverage in the department(s). Additionally, she assigns and prioritizes work assignments and assesses performance of department staff.

Billing Manager:

After reporting the samples the Agency will be billed for the work performed in accordance with the specifications of the RFP. LabCorp has a staff of persons capable of evaluating the appropriate charges. The contact person for billing is Glenda Brown, Billing Manager. Ms. Brown has over fifteen (15) years of experience assisting LabCorp clients with billing issues. Upon completion of all testing, the billing department is responsible for providing an accurate invoice for which genetic parentage testing for a case was completed. Ms. Brown will be available to resolve any billing inquiries, provide interpretation of invoices, and ensure accurate billing statements.

As Billing Manager, Ms. Brown is responsible for providing overall day-to-day direction for the seven (7) billing representatives that will ensure clear and precise invoices are provided to our clients. She conducts one-on-one monthly meetings to discuss billing concerns, delegates the workflow of new and upcoming billing projects to her associates, ensures that all accounts are set up and billed appropriately, and that all special instructions are adhered to in order for invoices to bill correctly. Additionally, Ms. Brown performs quality audits on all work. She addresses billing issues as they arise and she interacts with several other departments within the Division on technical concerns. Ms. Brown also provides guidance and training options to billing associates that enable them to learn how to resolve accounts with a wide variety of billing concerns.

Customer Service Supervisor:

Teresa Clifton, Customer Service Supervisor has over twenty-one (21) years of experience at LabCorp. Ms. Clifton supervises a staff of Customer Service Representatives responsible for all areas of customer care.

As Customer Service Supervisor, Ms. Clifton is responsible for the day-to-day functions of the Customer Service area. She directs supervisory responsibility for approximately 20 employees and responds to and resolves complex issues related to lab results and services provided.

Additionally, she is also responsible for employee evaluations and disciplinary actions and is accountable for the performance of the department.

Customer Service Staff:

LabCorp's DNA Customer Service Department consists of 18 staff members, a Group Leader, Supervisor and Manager for combined total of 218 years of experience who are committed to customer satisfaction. This dedicated, experienced workgroup is supported by computer technology that allows them access to all areas of the lab and the LabCorp company-operated patient service centers.

LabCorp DNA customer service staff is required to have a high school diploma and a minimum of two (2) years call center experience. They must be proficient in Microsoft Word/Excel and possess excellent grammar skills. Each candidate must pass two internal assessment tests that measure their data entry accuracy and attention to detail, prior to being selected for an interview.

Upon hire, a customer service representative is required to complete five (5) weeks of one-on-one training. This training includes, but is not limited to, LabCorp computer functions, result interpretation, confidentiality, customer inquiries, child support Contract requirements and teamwork expectations. A Training Checklist is completed acknowledging the training goals have been met at the end of the five (5) weeks.

Upon completion of successful training, the customer service representative will then be placed on the phone to accept calls with a trainer who silent monitors each call. Silent monitoring continues until it is obvious the customer service representative is ready to handle incoming calls solo. The customer service workgroup is supported by many internal co-workers, including our PhD staff, Account Managers and Regional Account Executives who work directly with the child support enforcement offices and Contract Managers.

The primary function of this staff of representatives is to serve as a liaison between LabCorp company-operated patient service centers and its customers in response to inquiries and issues. Our Customer Service Team researches, troubleshoots and resolves customer concerns and are highly trained in providing rapid responses to inquiries regarding the status of a case. Personal attention and interaction are a priority for our clients, and every effort is made to bring resolution to questions within a twenty-four (24) hour time frame.

The Customer Service Team is available from 8:00 a.m. to 8:00 p.m. Eastern Time, Monday through Friday. This team of customer service support representatives can be reached by calling (800) WE-DO-DNA or (800)742-3944, by fax at (800) 821-9102, or by email at dna@labcorp.com.

LabCorp makes every effort to be sensitive to cultural differences of its clients. Part of this sensitivity is to provide translation services. Currently, LabCorp employs staff that speaks several languages. LabCorp also can provide Spanish translations of much of its literature and Client Authorization/Chain of Custody forms. LabCorp also subscribes to a translation service that can assist in communicating in many languages.

Account Manager Supervisor:

Harriet Meadows, Account Manager Supervisor is responsible for managing the group of Account Managers who interact directly with our clients on a daily basis concerning client-related issues as well as the department's problem sheet area. Ms. Meadows has thirty-three (33) years of experience at LabCorp.

As Supervisor for the Account Managers team and Account Specialists, Ms. Meadows' responsibility is to manage the daily activities in both areas and assists with resolving client issues. Ms. Meadows assists the Account Managers with any processes that require multiple person involvement and she provides reference support to other department areas. She also coordinates interactions with several departments within the division to ensure workflow in her area is maintained.

Information Systems Manager:

LabCorp's DNA Identification Testing Division has an internal Information Systems team dedicated to the success of our own internal laboratory computer system. Our application development team works directly with the laboratory on a day to day basis. This is critical in the development of programs to support LabCorp's extensive quality control program, laboratory testing, and reporting requirements. LabCorp has a large staff of computer experts that can handle the requirements of this Contract. Mr. Norris is the manager of this team and is readily available to meet the needs of our constant advances in technology. He has worked for LabCorp Information systems for twenty-five (25) years. He has developed our unique online system that allows our clients to access their information through the Internet.

As IT Manager, Mr. Norris is responsible for the preparation, development and enhancement of the DNA Identification Testing Division's computer system. He assists with troubleshooting by use of computers through the management of cross-functional teams. He consults with other managerial and systems analysis personnel to clarify program intent, identify issues, suggest changes, and determine extend of programming,
network, and overall IT hardware and software systems performance status. Additionally, he revises and directs the goals and functions of the Division's IT program.

Contract Manager:

Angie Miller, Contract Manager, has thirty (30) years of experience in LabCorp's DNA Identification Testing Division. Ms. Miller works directly with Dr. Maha, Laboratory Director, Brian Grajzar, Associate Vice President & General Manager, Melissa Mizelle, Regional Account Executive, and Prince Miles, Account Manager in the preparation of bid responses.

As Contract Manager, Ms. Miller's responsibilities include but are not limited to writing, preparing and sending proposals in response to Request for Proposals/Invitation to Bids. She communicates with the company's legal department on Contract terms and conditions and works with the Divisions supervisor/management staff to ensure proper implementation and Contract compliance. As necessary, she interacts with other departments within the company to answer contract-related inquiries and she maintains all documents related to the Contract. Additionally, Ms. Miller updates department personnel on key issues relative to Contract changes and/or requirements.

Associate Vice President & General Manager:

Brian Grajzar, Associate Vice President and General Manager, holds a Masters in Business Administration and Bachelors of Science degree in Biology. Mr. Grajzar oversees the following areas of the DNA Identification Testing Division: genetic parentage testing services, forensic testing services, HLA testing services, immigration testing services, sales and marketing services, research and development, Contracts and finance.

Mr. Grajzar is very knowledgeable in all aspects of the company as well as the DNA Identification Testing Division and maintains the reputation of providing quality and excellent service to clients. This is enhanced by his excellent leadership in establishing a team of management professionals dedicated to the mission of the business. Through his knowledge, motivation and team spirit, the Division has been successful in meeting the various needs of its clientele.

Curricula Vitae of all of the Directors are provided as **Attachment ONE**.

Curricula Vitae/Resumes of key and support personnel are available upon request.

NEW EMPLOYEE ORIENTATION

All new employees are required to attend corporate orientation before reporting to their respective division. Once new employees have completed corporate orientation, DNA Identification provides our own departmental orientation that pertains to the policies and procedures within our division and their respective work departments. Each supervisor is responsible for orienting new employees to our policies, safety requirements, building, and their work environment before training in their jobs functions can begin.

ANNUAL TRAINING

- **Competency Testing:** All technical personnel are required to successfully pass their annual competency evaluation. Competency testing is designed to evaluate the ability to of the technicians to consistently perform the testing properly.

- **Corporate Compliance:** All LabCorp employees are required to attend compliance training. Compliance training is provided to ensure good business practices and integrity is instilled in every individual employed by LabCorp.

- **Training Modules:** All DNA Identification Testing Division personnel are required to complete training modules throughout the year that cover segments of the safety policy, the confidentiality policy, and appropriate policy updates/reminders as appropriate.

CONTINUING EDUCATION

LabCorp considers continuing education essential to its successful operation. All employees are required to participate in continuing education classes and seminars related to the field of parentage testing. In 2014, LabCorp's DNA Identification Testing Division's personnel completed more than 2,000 continuing education hours.

SPECIFICATIONS

1. PURPOSE AND SCOPE:

LabCorp understands that the West Virginia Department of Health and Human Services, Bureau for Child Support Enforcement is seeking a qualified vendor to Contract with to provide Statewide Genetic Testing to determine and establish paternity through the collection of tissue samples, and the testing and analysis by accepted scientific techniques, and the reporting of test results to the Agency, as well as providing expert testimony when necessary.

LabCorp has been providing genetic paternity testing services continuously to the Agency for over three (3) years. As current vendor, LabCorp has been successful in establishing and implementing the requirements as outlined in this RFQ. Additionally, LabCorp has maintained a successful working relationship with the Agency staff and has the resources to fulfill the requirements of the new contract. With this extensive trust currently placed in LabCorp, the Agency can be confident there would be no lapse in service if LabCorp is selected to provide services under a new contract

2. DEFINITIONS:

LabCorp acknowledges and understands the definitions listed in section 2 of the Specifications section.

3. QUALIFICATONS: Vendor shall have the following minimum qualifications:

3.1 The Vendor shall have a direct contractual relationship with its collectors of genetic samples. The Vendor shall employ a minimum of one (1) trained and certified collector of genetic samples per collection site on each scheduled day of testing.

A contractual relationship exists between LabCorp and any subcontracted and/or independent collector(s). LabCorp will provide a minimum of one (1) trained and certified collector for genetic sample collection per collection site on each scheduled day of collections as mutually agreed upon.

3.2 The Vendor shall provide written proof to the Agency that each collector has been given training which meets or exceeds *American Association of Blood Banks* (AABB) standards and said collector has successfully passed a written test regarding said training. The Vendor may submit this after bid submission but must submit prior to the contract award. At no time shall a collector of the Vendor conduct a genetic testing procedure without a satisfactory test score.

As current vendor, LabCorp will continue to provide training to Agency's staff collectors, LabCorp Patient Service Center personnel, and other qualified persons as needed for specimen collections. Trained personnel will be available for the collection sites in the fifty-five counties on dates and times mutually agreed upon.

LabCorp recognizes that the specimen collector is one of the most important links between the client and the laboratory. LabCorp strives to project a professional image that will instill confidence for our clients. This is achieved by the specimen collector possessing confidence in his/her own ability, by exercising care and skill in performing his/her job, by presenting a professional appearance to the client, and by showing compassion, understanding and a genuine concern for our clients and their needs. ***Training for all specimen collectors is essential at LabCorp.***

All collectors receive thorough training and appropriately documented instructions prior to collecting samples. LabCorp's step-by-step buccal swab collection training is offered by telephone or in person through:

- Power Point presentation, via
  - webcast, or in person, through group sessions, or one-on-one

LabCorp's comprehensive training modules include: scheduling a date/time, sending materials out prior to the training; including a Client Authorization/Chain of Custody Form, buccal swab kit, and invoice form; performing step by step instructional training with the individual(s) and answering any questions.

Prior to completing the training module, all collectors must successfully complete a review to make certain that all key points of the buccal swab collection procedure are understood. A certificate of completion and detailed training manual (used as a resource guide) is provided to each collector who completes the buccal swab collection training session and passes the review.


Sample Training Certification

LabCorp
Laboratory Corporation of America

Certificate of Completion
is hereby granted to

Jane Doe

to certify that he/she has viewed LabCorp's Buccal Swab Training PDF and/or completed the training for LabCorp's buccal swab specimen collection and chain of custody procedures for parentage/relationship/identity testing.

Granted: July 12th, 2014

Melissa Mizelle, Account Executive
DNA Identification Testing Division

A copy of LabCorp's Paternity Buccal Swab Specimen Collection Training Manual is provided in **Attachment TWO**.

Specimens will be collected from all parties in a case using accepted procedures which provide a high level of safety and a minimal level of discomfort to the parties, including infants.

Specimens will be collected from all parties in a case using accepted procedures, which help to ensure a high level of safety, positive identification of the parties, and a minimal level of trauma to the parties, including infants. LabCorp collects four (4) buccal swabs from each individual in a case; two (2) swabs are used for initial testing and the remaining two (2) swabs are stored for a minimum of five (5) years for possible additional testing. Our specimen collectors are also qualified in the practice of human blood collection and safety procedures associated with this process. LabCorp will provide a phlebotomist in cases where a blood collection is required.

Chain of Custody Procedure

LabCorp's chain-of-custody procedures have been and are routinely accepted in the courts throughout the United States, including West Virginia.

The specimen collector is responsible for verifying the identification of all parties.

LabCorp's Client Authorization/Chain of Custody Form is enhanced with a feature that provides protection of privacy to the persons collected. On LabCorp's collection form the front contains basic information such as addresses. The back of the form is the chain of custody form that provides for the certified documentation of chain of custody. In order to protect the privacy of the individuals, the form peels apart so, if needed, the demographic information on the front can be separated from the chain of custody information on the back. This is particularly useful for protecting West Virginia citizens when there is a need to prevent a party to the case from obtaining demographic information on another person in the case.

- At least one form of photographic identification (driver's license in most states) is required at the time of specimen collection and any other identification available such as a passport. A photocopy of the identification can be made, if necessary.

- A single form (Client Authorization/Chain of Custody form) contains all the documentation required for specimen submission including chain-of-custody and party identification.

- The front side of this document makes provision for the inclusion of party information which includes name, alleged relationship(s) of the parties, and date of birth, race/ethnicity designation, blood transfusion and bone marrow/stem cell transplantation history.

- The reverse side provides for signatures of the parties and the specimen collector(s)/packager(s), attachment of photographs and other identification of the parties, fingerprints, date of sample collection and location of sample collection.

- A witness of specimen collection may also sign the Client Authorization Form/Chain of Custody, when applicable.

- Each adult party authorizes the specimen collection by signature, which is witnessed by the specimen collector.

- A photograph of each party is taken at the time of specimen collection and attached to the Client Authorization/Chain of Custody Form.

- If requested, a thumbprint of each party is also included. The party's attorney or witness may be present as a witness if desired.

- The specimen collector labels each specimen with the name of the individual being collected.

- The accuracy of the specimen collection and labeling process is enhanced by the color-coded swabs and labels in LabCorp's buccal swab kit.

- LabCorp's buccal swabs are all color-coded: ***pink*** for the mother's swab, ***yellow*** for the child's swab, and ***blue*** for the alleged father's swab.

- These color-coded swabs are wrapped with a matching color-coded label containing the collected party(ies) name. The label also indicates if the sample is from the mother, child or alleged father.

- Following their collection and labeling, each sample is packaged and sealed in a color-coded sample envelope.

- The sealed color coded envelope has the collected person's name, their signature, date of collection and the collector's initials or signature.

- All collected samples are securely sealed in a separate tamper-proof kit envelope by the specimen collector for transportation from the collection facility to the laboratory on the same day they are collected.

- Also enclosed in the kit envelope is the completed Client Authorization/Chain of Custody Form with the first part of the chain of custody signed and dated by the person(s) who collected and packaged the specimens.

- The specimen packages are transported by the specimen collector to a LabCorp facility or overnight carrier (such as Fed/Ex) for transport to the LabCorp testing facility in Burlington, North Carolina.

- Upon receipt at the testing facility, the specimen shipping containers are examined for any signs of tampering.

- The seals are then broken and the contents removed.

- The specimen and all accompanying documents are inspected for integrity and completeness.

- When received at LabCorp, the color-coded envelopes and swabs are verified to make sure the colors all match. If they do not match, an explanation is sought and if no satisfactory response is obtained, then the samples are recollected.

- In the very unlikely event that signs of tampering with the specimens are detected, or if the documentation is defective, the Agency will be contacted to discuss the disposition of that particular case.

- Deviations from accepted collection or shipping protocols are immediately investigated and appropriate action taken including, if needed, recollecting the specimens.

- The specimens are assigned unique identifying numbers and are assigned to a case (the group of individuals' whose relationship is being investigated).

- The case is also assigned a unique case number.

- In order to track the case, basic demographic information, specimen numbers and case numbers are entered into LabCorp's computer system against the unique account number that will be assigned to each Agency office.

- The specimen is tracked by the specimen number throughout all procedures and the reporting of results.

- As the sample moves through the laboratory a record is kept of who handled the case and the testing procedures used. All samples are tested immediately upon receipt, regardless of the completeness of the case.

- The specimens and all documents associated with the cases are in the sole possession of LabCorp following their receipt in the Laboratory.

- LabCorp doors are locked at all times with access to the building limited by magnetic card entry.

- Access to LabCorp's paternity specimens and records require an additional magnetic card entry permitting only certain authorized paternity department personnel.

- Computer access is also limited to a "job function" with passwords and program limitations to help prevent breaches in security and the chain of custody.

All original identification, specimen authorization and chain of custody documentation are returned on the Client Authorization/Chain of Custody Form to the client with the original photographs attached when the certified report is sent.

3.3 The Vendor's testing facility shall be under the direct supervision of an individual who possesses a Ph.D. from an accredited college or university in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field; and is qualified by advance training and experience in genetic testing. A copy of the Degree is required to be submitted prior to contract award. The director and technical staff shall participate in continuing education related to the field of genetic testing as established, recommended, or required by *American Association of Blood Banks* (AABB) standards.

LabCorp's DNA Identification testing laboratory is under the direct supervision of Dr. George C. Maha. Dr. Maha holds a Ph.D. from the Department of Genetics and Development at the University of Illinois at Urbana-Champaign, and a Juris Doctor (J.D.) from North Carolina Central University School of Law. He earned his undergraduate and Master degrees in Biology from St. Louis University. Dr. Maha completed his Biomedical Laboratory Internship at Malcolm Grow USAF Medical Center and he was a Captain in the United States Air Force. He received board certification as a Ph.D. Medical Geneticist in 1987 from the American Board of Medical Genetics; as a Medical Technologist (MT) in 1983 from the American Society of Clinical Pathologists (ASCP); and has a certificate of qualification as a Laboratory Director from the New York State

Department of Health. A copy of Dr. Maha's Curricula Vitae and Ph.D degree are provided in **Attachment ONE**.

Dr. Maha oversees a staff of eight Directors, all of whom possess Ph.D. degrees in biomedical sciences relevant to paternity testing, comprise the most experienced professional staff in the parentage testing industry. This team has decades of experience and participate in continuing education classes related to the field of genetic testing as established, recommended, or required by *American Association of Blood Banks* (AABB) standards.

3.4 Such continuing education shall be required as essential to the Vendor's successful operation. Proof of participation shall be provided by the Vendor upon request.

LabCorp considers continuing education essential to its successful operation. All employees are required to participate in continuing education classes and seminars related to the field of parentage testing. In 2014, LabCorp's DNA Identification Testing Division's personnel completed more than 2,000 continuing education hours.

In 2014, Dr. Maha and the technical staff participated in over 400 hours of continuing education training related to genetic testing.

LabCorp will provide proof of participation upon request.

3.5 The Vendor shall ensure that all results are interpreted by individuals who are qualified to perform genetic analysis. It shall be the responsibility of the Vendor to ascertain and maintain the competency of its technical staff.

At LabCorp the results of DNA polymorphism testing are interpreted independently in duplicate. LabCorp performs DNA testing using only validated techniques and procedures that are commonly accepted within the scientific and legal communities and are accepted by the agencies accrediting our operations including AABB, and the College of America Pathologists (CAP).

At LabCorp, all technical personnel are required to successfully pass their annual competency evaluation. Competency testing is designed to evaluate the ability to of the technicians to consistently perform the testing properly.

4. MANDARORY REQUIREMENT

4.1 Mandatory Contract Services Requirements and Deliverables: Contract Services must meet or exceed the mandatory requirements listed below.

4.1.1 The Vendor shall be responsible for establishing and maintaining space, equipment, facilities, and the necessary supplies.

LabCorp will be responsible for establishing and maintaining space, equipment, facilities, and the necessary supplies for this Contract.

All supplies required for specimen collection, party identification, specimen packaging and transportation will be provided by LabCorp at ***no additional charge***. An instant camera, film and thumb print supplies will be available to the specimen collector.

4.1.2 The Vendor shall maintain employees for performing the required collection of genetic samples, testing and analysis of said samples, reporting the results of the analysis, and providing expert testimony when required. Two (2) staff members shall have a PhD from an accredited college or university in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field.

LabCorp's employees have decades of parentage testing experience demonstrating a long-term commitment. As current Vendor, our employees have provided quality services, and have also demonstrated a high level of customer service to ensure the needs of the Agency are met. LabCorp shall maintain adequate staff for performing the required collection of genetic samples, testing and analysis, and expert testimony when required.

LabCorp currently employs nine (9) Ph.D's, all from an accredited college or university in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field, exceeding the requirements of this RFQ.

In this division, eight (8) doctors (PhD) hold Certificates of Qualification from the New York State Department of Health in Relationship Testing, three (3) hold boards from national organizations (one from the American Board of Medical Genetics (ABMG) and two from the American Board of Histocompatibility and Immunogenetics (ABHI)). Further, two (2) of the doctors are also certified as Medical Technologist by the American Society of Clinical Pathologists (MT(ASCP)).

4.1.3 The Vendor shall maintain a laboratory that meets or exceeds all safety codes and regulations with AABB accreditation for performing genetic testing and for proper disposal of medical waste.

LabCorp's DNA Identification Testing laboratory meets and/or exceeds all safety codes and regulations with AABB accreditation for performing genetic testing and for proper disposal of medical waste.

4.1.4 The Vendor shall maintain comprehensive and sufficient quality controls to ensure that equipment and personnel will perform as required.

LabCorp has established and maintains a quality assurance program that documents the results of the methods and practices used to assure the quality of the services provided.

At LabCorp, quality is our primary concern. Quality control programs developed by LabCorp meet or surpass requirements set by the federal government and other licensing agencies. Using a variety of internal quality control programs, results from every laboratory department are closely monitored. In addition, LabCorp is inspected regularly by state, federal and private accrediting groups.

LabCorp maintains an extensive program of quality control implemented on all levels of testing and evaluation. These quality control protocols have been inspected and approved by the AABB, College of American Pathologists (CAP), American Society of Histocompatibility and Immunogenetics (ASHI), and New York State Department of Health.

LabCorp participates in numerous proficiency testing programs sponsored by the College of American Pathologists. The purpose of the programs is to assure that participants can reproduce correct testing results. LabCorp is successful in these programs.

LabCorp sponsors regular continuing education programs which are available to all employees.

Throughout the testing process LabCorp utilizes many quality control checks. Each case also goes through a number of reviews to check both the quality of the science and to check the spelling of the tested person's name and other demographic information. All paperwork and results are reviewed for correctness and the chain of custody documents are reviewed again for completeness prior to issuing the report to CSS. Additionally, LabCorp has a number of computer

checks that are run throughout the testing and review process. A Director (Ph.D. scientist) reviews all cases and signs the report. Reports are then issued in accordance with AABB standards and contract specifications.

The DNA Identification Testing Division has its own Quality Assurance/Safety Officer, Beth Clifton. Dedicated to the quality control and quality assurance of this department Ms. Clifton provides leadership in the areas of quality assurance, quality control, quality related training and standardization compliance within the laboratory. She is also responsible for project management activities as they relate to specific areas within the laboratory requiring standardization to improve the quality and/or efficiency of operations. Further responsibilities include attending all safety committee meetings and maintain up to date safety manuals and safety training programs as well as all departmental Standard Operating Procedure Manuals (SOPs).

4.1.5 The Vendor shall maintain appropriate storage methods and availability of genetic specimens for a minimum of five (5) years.

LabCorp will maintain appropriate storage methods and availability of genetic specimens for a minimum of five (5) years

4.1.6 The Vendor immediately shall forward two written reports to the Agency's requesting office upon completion of the tests, one reflecting only the Combined Paternity Index and Probability of Paternity and one reflecting the results of the genetic marker testing, Combined Paternity Index and Probability of Paternity. The maximum acceptable turnaround time of the report shall be no greater than fifteen (15) working days from the date all samples are received in the laboratory until the report is received by the Agency. The Vendor shall have the capability to provide an imaged copy of each type of written report immediately upon its completion.

LabCorp will forward the two (2) required written reports to the Agency's requesting office upon completion of the tests.

LabCorp will provide written reports within the required fifteen (15) working days. As current vendor LabCorp has maintained an average six (6) calendar day turnaround time for the past twelve (12) months.

LabCorp will provide a written notarized report issued and signed by a Director to the appropriate authorized individuals as designated by the Agency. Each report will contain a statement as to whether or not the alleged father can be excluded. If

an opinion of non-paternity is rendered, the basis for that opinion will be provided. LabCorp's report of the testing and evaluation will include the following:

- Agency case number,
- other numbers provided by the Agency,
- identification of parties
- the date the sample was collected,
- each person's phenotype as determined by the testing,
- individual paternity index for each genetic system reported,
- the cumulative paternity index,
- probability of parentage
- the prior probability used in the calculations, and
- conclusionary statement, and
- types of test(s) performed

All records of testing are strictly confidential and will be released only to the agency that ordered the testing, that agency's designees, or as otherwise required by law. Only the doctoral staff is authorized to discuss results of a specific case with anyone making an inquiry.

LabCorp offers an electronic case reporting feature that includes both the final DNA report result and chain of custody documentation. We will make these documents available via IdentiLink℠ for immediate review and downloading prior to mailing the original hard copies to the Agency. This will allow cases to proceed to court in the most expedient manner for those situations where time is a critical factor.

LabCorp's on-line client computer interface, "IdentiLink℠" allows the Agency direct access to request sample collections via the Internet. In an effort to streamline the workflow for its clients, LabCorp developed this automated sample collection scheduling service to enhance efficiency in the scheduling process. Our system makes scheduling easy. IdentiLink℠ may be accessed via LabCorp's secure website: https://www.labcorp.com/paternity.

IdentiLink℠ is a secure web-based application for online case inquiry with scheduling capabilities. The Agency staff can view in real-time information detailing each of its cases. Information may be accessed by the party's name, court case number, docket number and/or LabCorp case number. The Agency's staff can access IdentiLink℠ via an assigned client ID and a password to submit for security verification. As part of LabCorp's awareness concerning the

confidentiality of client information, any employee the Agency wishes to have access to LabCorp's database, will be required to sign a security agreement. LabCorp carefully monitors the activity of the IdentiLink[SM] system.

Additional features include:

- **Electronic Viewing and Downloading of Client Authorization/Chain of Custody Form:**
  LabCorp offers the Agency the ability to view and download to desktop the client authorization/chain of custody form, complete with photograph(s) and thumbprint(s) via its IdentiLink[SM] system. Upon receipt of the sample(s) at the testing facility, the client authorization/chain of custody form will be scanned into the computer system and made available by case number, the current status of the sample collection and a photograph of the person(s) being tested.

- **Electronic Result Reporting and Downloading:**
  LabCorp offers an electronic case reporting feature that includes both the final DNA report result and chain of custody documentation. We will make these documents available via IdentiLink[SM] for immediate review and downloading prior to mailing the original hard copies to the Agency. This will allow cases to proceed to court in the most expedient manner for those situations where time is a critical factor.

- **Email Notification:**
  LabCorp offers an option of system generated emails to be sent once cases are completed. The email address is setup per agency and is sent with notice of completion along with a direct link to our website. This allows for real-time notification (within 2 hours) of case completion.

4.1.7 The Vendor shall perform tests pursuant to procedures necessary to maintain its AABB accreditation.

LabCorp performs all testing in table accordance with the most current Standards for Relationship Testing Laboratories, as published by the AABB, and has been regularly inspected and accredited by the AABB continuously since 1987. LabCorp performs DNA testing using only validated techniques and procedures that are commonly accepted within the scientific and legal communities.

In addition, LabCorp holds all applicable licenses and certifications required to perform parentage testing throughout the United States. A partial list of credentials follows:

- AABB Accreditation for Parentage Testing (AABB)
- Interstate Laboratory License (CLIA)
- College of American Pathologists (CAP)
- State of New York Department of Public Health licensure
- ISO/IEC 17025 by ANSI-ASQ National Accreditation Board/FQS

LabCorp regularly attends AABB meeting and has staff members who belong to AABB committees thus staying abreast of the revisions to standards. LabCorp reviews all standards at the time each new edition of standards is released, as well as part of both internal and external inspections. LabCorp has a quality assurance program and a quality assurance officer to monitor the aspects of care and other quality issues. Continuing education is also important for all staff and may take the form of attending meetings, on site speakers, webinars and journal review. Using these aspects LabCorp meets and/or exceeds the latest standards.

A copy of LabCorp's AABB accreditation certificate is provided as **Attachment THREE.**

4.1.8 The Vendor shall perform tests using the appropriate sample controls to ensure the validity of the test results.

LabCorp performs all testing using appropriate sample controls to ensure the validity of the test results. At LabCorp a known human control is run for each DNA polymorphism. The genetic markers for this human positive control must match before any interpretation is done. Negative controls are also run.

4.1.9 The Vendor shall maintain and provide the State with a Manual detailing all policies and procedures used in the Vendor's genetic testing process. This Manual must be reviewed and updated at least annually by the Vendor. The Vendor shall provide notification of all changes to the Agency within thirty (30) calendar days of said change.

LabCorp has established and maintains hundreds of SOPs for every testing process we perform. All employees are required to review the SOPs applicable to their area of responsibility and are required to perform procedures following the SOP. LabCorp's SOPs are reviewed annually by various levels of staff and final approval from the laboratory director is required.

A copy of our SOP Table of Contents is provided as **Attachment FOUR**.

At award, should the State require additional documentation on LabCorp's genetic testing policies and procedures it will be provided as mutually agreed upon. LabCorp considers its policies and procedures related to all aspect of genetic testing proprietary information.

4.1.10 References: Vendor must provide five (5) current Title IV-D program references for providing genetic testing services in similar volumes as specified in this Request for Quotation. References should be provided with the bid but will be required prior to contract award. References shall include contact name, name of company, phone number, and approximate number of genetic tests performed per year for the customer.

LabCorp provides the following five (5) Title IV-D program references that can speak to our understanding of requirements in similar projects, our capability to produce quality and timely services, and who can speak to our commitment and dedication:

State of Delaware
Division of Child Support Enforcement
Department of Health and Social Services
Contact Name: Midge Holland - Chief of Administration
Telephone Number: (302) 395-6698
Email Address: Midge.Holland@state.de.us
Estimated Annual Volume: 3,000

Commonwealth of Virginia
Department of Social Services
Division of Child Support Enforcement
Contact Name: Donna Hilton-Heath
Telephone Number: (804) 726-7237
Email Address: Donna.hilton-heath@dss.virginia.gov
Estimated Annual Volume: 16,000

Ohio Department of Job and Family Services
Office of Child Support
Contact Name: Wanda Phillips - title
Telephone Number: (614) 752-2630
Email Address: Wanda.Phillips@jfs.ohio.gov
Estimated Annual Volume: 51,000

State of North Carolina
Office of Child Support
N.C. Department of Health and Human Services
Contact Name: Judy McArn - Assistant Chief, Child Support Services
Telephone Number: (919) 855-4431
Email Address: judy.mcarn@dhhs.nc.gov
Estimated Annual Volume: 22,000

State of South Carolina
South Carolina Department of Social Service
Division of Integrated Child Support Services
Contact Name: Tim Mose - title
Telephone Number: (843) 860-3018
Email Address: Timothy.Mose@dss.sc.gov
Estimated Annual Volume: 10,000

LabCorp currently holds twenty-nine (29) Statewide ***sole vendor*** contracts, five (5) Statewide ***multi-vendor*** contracts, and twenty-six (26) County* ***sole vendor*** contracts with Title IV-D Programs nationwide for which LabCorp was awarded a contract by competitive bid process for similar services.

*California, Colorado, and New York States do not issue public solicitations for a statewide program. Instead each county is responsible for obtaining genetic parentage testing through other means; many counties do not solicit publicly.

LabCorp currently maintains hundreds of contracts with government agencies (Title IV-D Programs), private agencies (including doctors and attorneys), third party administrators, immigration and adoption agencies, and private individuals for parentage testing. The table below demonstrates LabCorp's nationwide presence

State	Current Contract held by LabCorp	Estimated Annual Volume
Alabama	County Price Agreements	13,500
Alaska	Sole Vendor - State Contract	1,800
Arizona	Sole Vendor - State Contract	8,700
Arkansas	Sole Vendor - State Contract	12,000
California	County Contracts	20,000
Colorado	County Contracts	10,000
Connecticut	Sole Vendor - State Contract	5,500
Delaware	Sole Vendor - State Contract	3,700

District of Columbia	Other Agency Agreements	30
Florida	Other Agency Agreements	3,800
Georgia	Other Agency Contracts/Agreements	900
Guam	Sole Vendor - State Contract	225
Hawaii	Sole Vendor - State Contract	1,400
Idaho	Sole Vendor - State Contract	2,000
Illinois	Other Agency Agreements	2,700
Indiana	Multi-Vendor – State Contract	4,500
Iowa	Multi-Vendor – State Contract	6,900
Kansas	Sole Vendor - State Contract	7,000
Kentucky	Other Agency Agreements	100
Louisiana	Other Agency Agreements	1,800
Maine	Sole Vendor - State Contract	3,000
Maryland	County Contracts/Agreements	1,200
Massachusetts	Sole Vendor - State Contract	10,500
Michigan	Other Agency Agreements	30
Minnesota	Multi-Vendor - State Contract	7,000
Mississippi	Other Agency Agreements	120
Missouri	Other Agency Agreements	1,500
Montana	Sole Vendor - State Contract	1,900
Nebraska	Other Agency Agreements	60
Nevada	Sole Vendor - State Contract	5,000
New Hampshire	Sole Vendor - State Contract	1,400
New Jersey	Multi-Vendor - State Contract	11,000
New Mexico	Other Agency Agreements	70
New York	County Contracts/Agreements	11,000
North Carolina	Sole Vendor - State Contract	36,000
North Dakota	Sole Vendor - State Contract	1,500
Ohio	Sole Vendor - State Contract	90,000
Oklahoma	Sole Vendor - State Contract	14,000
Oregon	Sole Vendor - State Contract	7,000
Pennsylvania	Other Agency Agreements	135
Puerto Rico	Sole Vendor - State Contract	1,000
Rhode Island	Sole Vendor - State Contract	1,900
South Carolina	Sole Vendor - State Contract	16,000
South Dakota	Sole Vendor - State Contract	1,700
Tennessee	Other Agency Agreements	190
Texas	Other Agency Agreements	3,000
Utah	Sole Vendor - State Contract	6,000
Vermont	Sole Vendor - State Contract	1,000
Virginia	Sole Vendor - State Contract	26,000
Washington	Sole Vendor - State Contract	15,000

West Virginia	Sole Vendor – State Contract	5,000
Wisconsin	Multi-Vendor - State Contract	6,700
Wyoming	Sole Vendor - State Contract	1,400

4.1.11 License Requirements: Vendor shall be accredited by the American Association of Blood Banks as a genetic testing laboratory and have at least two (2) staff member who have a Ph.D. from an accredited college or university in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field. Vendor shall have maintained AABB accreditation for the previous five (5) years. Vendor shall maintain AABB accreditation during the entirety of the contract with the agency.

LabCorp is accredited for parentage testing by the AABB and adheres to its most current *Standards for Relationship Testing Laboratories*. LabCorp has been inspected and accredited by the AABB continuously since 1987. LabCorp will maintain its AABB accreditation throughout the term of this contract with the Agency.

LabCorp has a staff of nine (9) Directors each with a Ph.D. in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field from an accredited college or university.

A copy of LabCorp's AABB accreditation certificate is provided as **Attachment THREE.**

Curriculum Vitae of LabCorp's Directors are provided as **Attachment ONE.**

4.1.12 Debarment and Suspension: Vendor must certify that no entity, agency, or person associated with the Vendor is debarred or suspended.

LabCorp certifies, to the best of its knowledge, that no entity, agency or person associated with it is debarred or suspended.

4.1.13 Drug Free Workplace Act of 1988:
Vendor must provide a drug free workplace, and individuals shall not engage in the unlawful manufacture, distribution, dispensation, possession, abuse or use of a controlled substance in the performance of the Contract.

LabCorp maintains a firm commitment to provide a reliable service to its customers and a safe and healthy working environment for its employees. It is LabCorp's policy to maintain a drug and alcohol free workplace.

As part of its policy and a condition of employment, LabCorp requires all new hires to submit to pre-employment drug testing. Following an employment offer, and prior to becoming an active employee, the applicant will be subject to drug testing as part of a condition of employment.

As a condition of *continued* employment, an employee will consent to and be subject to random testing. A mandatory random testing program is in effect for all employees unless otherwise prohibited by federal, state or local law.

4.1.14 The Vendor shall provide the service of genetic testing to aid in the establishment of paternity for all child support cases in West Virginia which require genetic testing as a condition of paternity establishment. Persons subject to testing may include, but are not limited to, the child, the mother, and the alleged father. The Vendor shall respond to all requests from any of the Agency's offices.

LabCorp will provide genetic testing services to aid in the establishment of paternity for all child support cases in West Virginia that require genetic testing as a condition of paternity establishment. LabCorp acknowledges the person subject to testing may include, but not be limited to, the child, the mother, and the alleged father. LabCorp will respond to all requests from any of the Agency's offices.

4.1.15 The Vendor must provide online appointment scheduling. The Vendor will provide the ability to choose the collection site, time and date of the appointment, with immediate confirmation, via the Vendor's online appointment scheduling. Such capability shall be available from the Vendor upon the award of this contract.

LabCorp's on-line client computer interface, "IdentiLink℠", allows the Agency direct access to request sample collections via the Internet. In an effort to streamline the workflow for its clients, LabCorp developed this automated sample collection scheduling service to enhance efficiency in the scheduling process. Our system makes scheduling easy. IdentiLink℠ may be accessed via LabCorp's secure website: https://www.labcorp.com/paternity.

IdentiLink℠ is a secure web-based application for online case inquiry with scheduling capabilities. The Agency staff can view in real-time information detailing each of its cases. Information may be accessed by the party's name, court case number, docket number and/or LabCorp case number. The Agency's staff can access IdentiLink℠ via an assigned client ID and a password to submit for

security verification. As part of LabCorp's awareness concerning the confidentiality of client information, any employee the Agency wishes to have access to LabCorp's database, will be required to sign a security agreement. LabCorp carefully monitors the activity of the IdentiLink[SM] system.

One log-in allows clients direct access to individual case status including final results and DNA sample collection scheduling capabilities. Only one (1) step is required: complete the information on-line and submit it. There is no paperwork to complete, no faxing, no phone call. Confirmation of individuals being collected can also be viewed on IdentiLink[SM.]

IdentiLink[SM] is accessible twenty-four (24) hours a day, seven (7) days a week. The following information can be viewed:

- All names in a case
- Date specimen(s) received
- Race
- Relationship of parties
- Tests ordered
- Case status
- Final results
- Management reports
- Sample Collection Scheduling Service

This online application allows for direct downloading of case files and real-time email notification (within 2 hours) of case completion. These documents are court ready as the download contains both a copy of the chain of custody form and a copy of the notarized final report. Other required documents can be added. This download service eliminates the extra days associated with shipping paper copy results to the various offices.

Additional features include:

- **Electronic Viewing and Downloading of Client Authorization/Chain of Custody Form:**
  LabCorp offers the Agency the ability to view and download to desktop the client authorization/chain of custody form, complete with photograph(s) and thumbprint(s) via its IdentiLink[SM] system. Upon receipt of the sample(s) at the testing facility, the client authorization/chain of custody form will be scanned into the computer system and made available by case number, the

current status of the sample collection and a photograph of the person(s) being tested.

- **Electronic Result Reporting and Downloading:**
  LabCorp offers an electronic case reporting feature that includes both the final DNA report result and chain of custody documentation. We will make these documents available via IdentiLink[SM] for immediate review and downloading prior to mailing the original hard copies to the Agency. This will allow cases to proceed to court in the most expedient manner for those situations where time is a critical factor.

- **Email Notification:**
  LabCorp offers an option of system generated emails to be sent once cases are completed. The email address is setup per agency and is sent with notice of completion along with a direct link to our website. This allows for real-time notification (within 2 hours) of case completion.

- **Status Reports:**
  LabCorp offers two (2) monthly status reports. One report is a general overview of the account's activity for the month providing:

    - number of full cases reported
    - number of partial cases reported
    - number of cases requiring extended testing
    - percent of exclusions
    - average probability
    - average turnaround time
    - number of cases reported per calendar day of the month

Another status report gives the account's activity for the month down to the individual case level identifying each partial case outstanding, each case reported along with the date sent and whether or not the alleged father was excluded.

Status reports can be obtained from IdentiLink[SM] as needed. Any communication regarding the format or contents of such reports should be directed to the Account Manager.

LabCorp's IdentiLink[SM] system is designed to assist Child Support Agencies with their need for a timely and complete resolution to their case load. LabCorp is committed to continually providing new features and enhancements to our IdentiLink[SM] system.

Once the Agency representative submits a scheduling request through IdentiLink[SM], they receive a confirmation that specifically identifies their scheduling request.

An email notification is sent with the appointment information when the collection is scheduled through IdentiLink[SM]. An Appointment Letter will be sent back to the Agency representative indicating the appointment date, time and location.

LabCorp will notify the Agency representative of non-attendance for parties scheduled for specimen collection through written notification by email. The Paternity Sample Collection Notification allows the Agency representative to request a reschedule or take the next step in their case management.

4.1.16 The Vendor shall provide training as requested in genetic sample collection methods and the procedural process for the handling of samples for any and all of the Agency employees who wish to be trained and who will be involved in the collection of genetic specimens. Collection training shall be provided at each Agency office by instructors of the Vendor who are certified to provide such training. Said instructors shall appear with necessary genetic collection supplies, kits, and documents for the collection training. The Vendor will provide certificates of completion to each Agency employee who successfully completes the training. In addition, the Vendor shall provide four (4) training DVDs to be maintained at the Agency's main office at 350 Capitol Street Room 147, Charleston, West Virginia. The Vendor shall provide continuing education as requested; to any BCSE employees related to genetic testing as established, recommended, and/or required by the industry, as necessary.

As requested, LabCorp will continue to provide training to any Agency employees that desire training on our procedures for collecting and submitting genetic samples for genetic parentage testing. LabCorp's buccal swab specimen collection training includes a certificate of completion at the conclusion of the training.

LabCorp representatives will provide comprehensive training on our buccal swab based DNA collection process to each Agency staff member. Proper chain of custody documentation, samples packaging, and secure sample shipment handling will be highlighted. DNA collections completed by Agency staff in local Child Support offices prove instrumental in reducing paternity establishment timelines

and improving the paternity establishment metrics by which the State is measured. The success of this program is measured by expedited establishment of paternity, increased self-assessment scores and decreased missed appointments.

LabCorp has partnered with several states successfully training and assisting in the implementation of staff collections. For example:

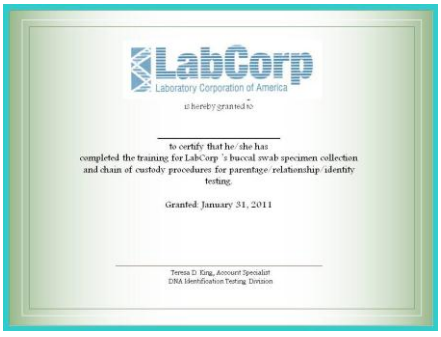
- NV – Statewide training completed 2007 (300+ NV CSE staff trained)
- TX – Statewide training complete (600+ Texas OAG staff)
- KS, PA, NY, AZ, AK, WA, HI, ND, MD, CA, CO, DC, OK, WY, MN, IA, WI, IN, NC – Various Offices trained

Training is provided by LabCorp personnel that are certified to provide the training. The training session is managed and arranged at the convenience of local Agency office with the Account Manager. The 60-90 minute hands-on training via in-person, telephonic or a webinar method includes:

- Buccal swab collection/paperwork electronic Power Point presentation
- Agency staff members pair up to perform complete DNA swab collection procedure including completion of documentation.

LabCorp's comprehensive training modules include: scheduling a date/time, sending materials out prior to the training; including a Client Authorization/Chain of Custody Form, buccal swab kit, and invoice form; performing step by step instructional training with the individual(s) and answering any questions.

Prior to completing the training module, all collectors must successfully complete a review to make certain that all key points of the buccal swab collection procedure are understood. A certificate of completion and detailed training manual (used as a resource guide) is provided to each collector who completes the buccal swab collection training session and passes the review.


LabCorp
Laboratory Corporation of America
is hereby granted to
to certify that he/she has
completed the training for LabCorp's buccal swab specimen collection and chain of custody procedures for parentage/relationship/identity testing.
Granted: January 31, 2011
Teresa D. King, Account Specialist
DNA Identification Testing Division

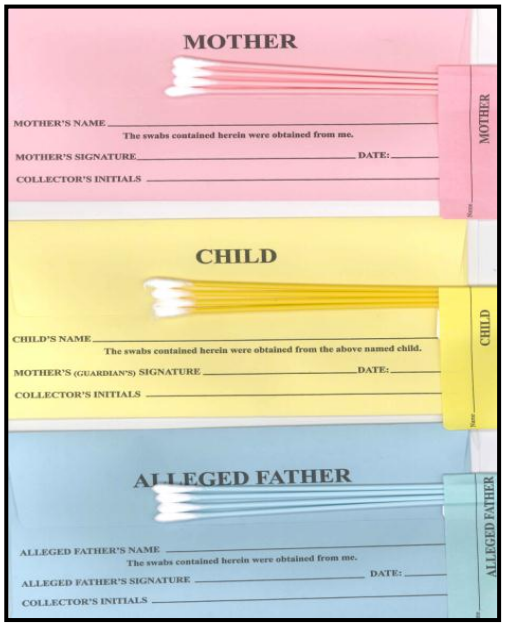
A copy of LabCorp's Paternity Specimen Collection Manual is provided as **Attachment TWO**.

LabCorp will provide four (4) training DVDs to be maintained at the Agency's main office. In addition to the Buccal swab training, as requested LabCorp will

provide to BCSE employees continuing education information related to genetic testing. In 2013 and 2014, LabCorp trained and certified seventy-one (71) individuals to perform buccal swab collections under the current Contract.

4.1.7 The Vendor shall furnish, free of charge, postage-paid genetic testing kits for use by the Agency's employees to collect genetic samples. These genetic testing kits shall contain individual identification forms and labels, and the necessary equipment for obtaining samples from all persons subject to testing, which may include, but shall not be limited to, the child, the mother, and the alleged father.

For each collection site, LabCorp will provide all necessary supplies required for specimen collection including, but not limited to: party identification, specimen packaging supplies and transportation to include sufficient quantities of postage paid genetic parentage testing kits that contain a specimen container, individual identification forms and labels, camera, film, batteries, thumb print pad, etc. all at *no additional cost* to the Agency.



LabCorp's buccal swab sample collection kits are all color-coded: ***pink*** for the mother, *yellow* for the child, and ***blue*** for the alleged father. These color-coded swabs are wrapped with a matching color-coded label containing the collected parties' name. The label also indicates if the sample is from the mother, child or alleged father. These labeled swabs are placed in matching color-coded envelopes. This process provides a strong chain of custody.

LabCorp's buccal swab collection kit is neat, easy to use, and all swab components are securely attached as a complete unit. Our tamper resistant envelope is NOT transparent; thus securing the confidential information enclosed, and allows for a strong seal by an adhesive strip that runs the entire length of the envelope.

LabCorp's buccal swab collection kit has many features to help ensure proper specimen collection and integrity, such as: printed instructions, tamper resistant

packaging, and a straight forward chain-of-custody procedure. The collection swabs, specimen labels and specimen envelopes are color coded to minimize any specimen mix-up and enhance the chain of custody. Each individual packaging pouch is equipped with tamper evident seals as well as the pre-addressed shipping envelope.

4.1.18 The Vendor shall furnish each Agency office with all equipment necessary to perform the collection of genetic samples, including but not limited to instant cameras and film, fingerprint ink pads, and client authorization forms. An inventory of kits and necessary equipment shall be maintained in each Agency office. The vendor must provide all necessary and there is no limit. The Vendor shall also provide each Agency office with personal protective equipment, pursuant to AABB standards, necessary to ensure the health and safety of Agency staff during the collection process.

LabCorp will provide each Agency office all necessary supplies for specimen collection including: instant camera, film and thumbprint supplies, party identification, specimen packaging and transportation to include sufficient quantities of postage-paid genetic parentage testing kits that contain a specimen container, individual identification forms (Client Authorization/Chain of Custody Form), and labels. In cases where a blood collection is required LabCorp will provide all necessary collection supplies for a blood specimen collection. LabCorp does not put limits on supplies and provides these supplies at no additional charge to the Agency.

Once the supply inventory becomes low, the collector can reorder an unlimited amount of supplies in two (2) convenient ways:

1. Faxing or emailing a completed Paternity Supply request form, or
2. Supplies can be ordered via our online system, "IdentiLink^{SM}".

4.1.19 The Vendor shall provide electronic verification to the appropriate Agency office within one (1) working day of the sample collection date to advise who appeared for testing, who did not, and whether there were any problems associated with the sample. This information shall be available on the Vendor's secure website or emailed to the Agency's requestor.

LabCorp offers the Agency direct access to request sample collections via our web-based service "IdentiLink^{SM}". In an effort to streamline the workflow for its clients, LabCorp developed this automated sample collection scheduling service to enhance efficiency in the scheduling process. Our system makes scheduling

easy. IdentiLink[SM] may be accessed via LabCorp's secure website: https://www.labcorp.com/paternity. There are no software requirements and no programming necessary to access "IdentiLink[SM]".

One log-in allows clients direct access to individual case status including final results and DNA sample collection scheduling capabilities. Only one (1) step is required: complete the information on-line and submit it. There is no paperwork to complete, no faxing, no phone call. Confirmation of individuals being collected can also be viewed on IdentiLink[SM].

LabCorp will provide electronic notification to the appropriate Agency representative of non-attendance for parties scheduled for specimen collection through written notification by fax or email within one (1) working day for in-state appointments and up to four (4) working days for out-of-state scheduled appointments.

4.1.20 The Vendor must provide online tracking of each specimen's progress from collection to testing, review, and report. The Vendor shall provide tracking which shall include, but not be limited to, names of parties who did and did not appear for testing. Any problems associated with the sample, receipt by the laboratory, testing completion, and online availability of genetic test results. Such capability shall be available upon the award of this contract.

As current vendor, LabCorp offers, IdentiLink[SM], its on-line client computer interface that allows the Agency direct access to case status information and to request sample collections via the Internet. In an effort to streamline the workflow for its valued clients, LabCorp developed this automated sample collection scheduling service to enhance efficiency in the scheduling process. Our system makes scheduling easy. IdentiLink[SM] may be accessed via LabCorp's secure website: https://www.labcorp.com/paternity. One log-in allows clients direct access to individual case status including final results and DNA sample collection scheduling capabilities. Only one (1) step is required: complete the information on-line and submit it. There is no paperwork to complete, no faxing, no phone calls. Confirmation of individuals being collected can also be viewed on IdentiLink[SM].

The Agency can access the most current information regarding their cases. Information may be accessed by the party's name, court case number, docket number and/or LabCorp case number. The Agency will be assigned a client ID and a password to submit for security verification. Any employee the Agency wishes to have access to LabCorp's database, will also be required to sign a

security agreement. LabCorp carefully monitors the activity of the IdentiLink[SM] system.

IdentiLink[SM] is accessible twenty-four (24) hours a day, seven (7) days a week and the following information can be viewed:

- All names in a case
- Date specimen(s) received
- Race
- Relationship of parties
- Tests ordered
- Case status
- Final results
- Management reports
- Sample Collection Scheduling Service

At the time the result report is completed, signed and notarized, it will be scanned into the system against the respective case number; making it available to view immediately on IdentiLink[SM], LabCorp's on-line client interface system.

IdentiLink[SM] offers the following features:

- **Electronic Viewing and Downloading of Client Authorization/Chain of Custody Form:**

  LabCorp offers the Agency the ability to view and download to desktop the client authorization/chain of custody form, complete with photograph(s) via its IdentiLink[SM]system. Upon receipt of the sample(s) at the testing facility, the client authorization/chain of custody form is scanned into the computer system and made available by case number, the current status of the sample collection and a photograph of the person(s) being tested.

- **Electronic Result Reporting and Downloading:**

  LabCorp offers an electronic case reporting feature that includes both the final DNA report result and chain of custody documentation. We will make these documents available via IdentiLink[SM] for immediate review and downloading prior to mailing the original hard copy report. This will allow cases to proceed to court in the most expedient manner for those situations where time is a critical factor.

- **Email Notification:**

  LabCorp offers an option of system generated emails to be sent once cases are completed. The email address is setup per agency and is sent with notice of completion along with a direct link to our website. This allows for real-time notification (within 2 hours) of case completion.

Through the capabilities of IdentiLink[SM] - support in coordination of administrative services is provided to all users. There are no software requirements and no programming necessary to access "IdentiLink[SM]".

4.1.21 The Vendor shall provide secure shipping services for the genetic samples collected by the Agency which will ensure pickup within 24 hours of request, overnight delivery to the Vendor, and prevent said samples from becoming outdated or contaminated.

The specimen packages will be picked up, within twenty-four (24) hours of request, at the collection site by a LabCorp (logistics) courier or overnight carrier for transport to the LabCorp testing facility in Burlington, North Carolina. Upon receipt at the testing facility, the specimen shipping containers are examined for any signs of tampering. The seals are then broken and the contents removed. The specimen and all accompanying documents are inspected for integrity and completeness. In the very unlikely event that signs of tampering with the specimens are detected, or if the documentation is defective, the requesting Agency office will be contacted to discuss the disposition of that particular case. Deviations from accepted collection or shipping protocols are immediately investigated and appropriate action taken including, if needed, recollecting the specimens. During testing, the specimen is tracked by the specimen number throughout all procedures and the reporting of results.

4.1.22 The Vendor shall commence testing immediately upon the receipt of the genetic samples unless testing is impossible due to contamination, outdated samples, or samples that are otherwise compromised.

LabCorp will commence testing immediately upon receipt of the genetic samples unless testing is impossible due to contamination or samples are otherwise compromised. Outdated samples are not an issue when the samples are buccal swabs.

4.1.23 The Vendor shall perform an evaluation of a minimum of fifteen (15) genetic testing systems to calculate the Combined Paternity Index and Probability of

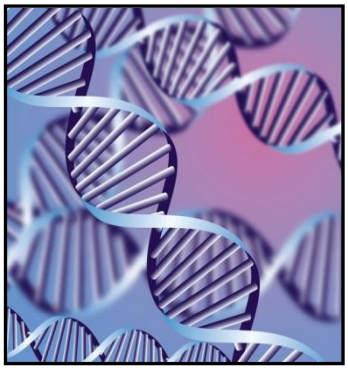
Paternity which will result in a cumulative probability of inclusion of at least 99%.

LabCorp will provide routine DNA (Buccal Swab) testing that will provide 99.99% probability of inclusion or exclusion.

LabCorp will provide the Agency with results, which reflect exclusions in at least four (4) independent test systems or a probability of paternity greater than 99.99% in each case and a combined paternity index of 10,000 to 1 or greater. LabCorp has experience providing genetic marker tests at this level. LabCorp routinely tests over 20 loci in every case compared to the sixteen (16) loci commonly seen in other laboratories. Other laboratories have discussed switching to kits that give over 20 loci, such as the Fusion kit, but LabCorp is not a follower, it led the industry in this important change. This leadership shows LabCorp's commitment to improving the testing so its client's receive the highest quality testing available. LabCorp has newer testing under development and when appropriate will be brought on line following AABB standards.

In March 2010 LabCorp announced that we would begin testing more than 20 loci (genetic systems) on every sample – making LabCorp's offering of loci more than the standard in most other laboratories. As the first national laboratory providing genetic testing to offer a more than 20 marker genetic analysis, other labs are beginning to follow our lead. Today, LabCorp continues to lead the industry by investing in new and advanced technology continuously adding to LabCorp's already substantial testing capability. LabCorp's test battery of PCR-STR genetic systems available for this contract provides an average cumulative power of exclusion greater than 99.9999%. LabCorp has over 40 validated genetic systems available to complete the testing to the highest standards for the citizens of the State of West Virginia. In addition to LabCorp's standard testing, the laboratory also provides Single Nucleotide Polymorphism (SNP) testing, Sequenced Based (SBT) testing and other advanced forms of DNA testing. Unusual among paternity laboratories, this technology is not only accredited for relationship testing, LabCorp is also accredited to use this technology for medical purposes, such as HLA testing for transplant patients, post-transplant engraftment monitoring and for the authentication of cell lines used in research. LabCorp's DNA Identification Testing division is trusted to provide testing for many clinical trials helping to bring new treatments for patients.

Using the 20 loci, LabCorp's median combined paternity index for non-excluded men is currently greater than one billion to one (1,000,000,000 to 1) (equivalent to a probability of paternity of 99.999999%). If appropriate, LabCorp has the ability



to test additional genetic systems. If an individual is excluded, the results will typically reflect inconsistencies in at least four (4) independent test systems. The laboratory has validated additional loci and may test up to 32 autosomal genetic markers. The additional validated loci are D2S1338, D19S433, HLA-A, HLA-B, HLA-DR-Beta, D6S1043, D10S1248, D22S1045, D2S441, D12S391 and D1S1656. In addition, Y Chromosome genetic markers, in appropriate cases, may be evaluated. If needed to meet West Virginia's requirement of 99%, this additional testing is at no additional charge. This testing in conjunction with our double blind processing of each sample received in our laboratory exceeds the AABB standard for a combined paternity index and will at least meet West Virginia's requirement of a probability of paternity of 99%. The table below represents the loci validated by LabCorp for testing:

D3S1358	D21S11	TH01	F13B	LPL	HLA-DR BETA
D7S820	D18S51	TPOX	D2S441	D2S1338	Y-CHROMOSOME (23 MARKER TESTING)
VWA	D5S818	CSF1PO	PENTA C	D19S433	D10S1248
FGA	D13S317	PENTA D	PENTA E	HLA-A	D22S1045
D8S1179	D16S539	F13A	FESFPS	HLA B	AMELOGENIN
D12S391	D1S1656	D6S1043			

LabCorp has determined that testing over 20 loci up front on all samples significantly reduces the need for additional testing, thus reducing turnaround time. When fewer loci are tested, mother-not-tested, mutation, and family reconstruction cases may require additional loci increasing turnaround time.

DOUBLE BLIND TESTING

As part of LabCorp's exceptionally high level of quality control, two (2) DNA preparations are made for each person tested. With buccal swabs, one (1) of the color-coded buccal swabs is tested independently of the second buccal swab. The overlapping independently performed tests must match. LabCorp performs this duplicate testing on **all** individuals submitted for testing. This superb quality

control check prevents the release of potential errors in the testing process. Importantly LabCorp performs this double-blind (duplicate) testing process on all individuals in a case and not just on excluded putative fathers, which exceeds AABB requirements.

LabCorp also "double checks" the samples; this is not the same as double blind testing. LabCorp has and continues to double check the labeling of the samples received. LabCorp's double check process includes wrapping an adhesive flag around each person's buccal swabs at the time of collection, a process that appears unique to LabCorp, labeling the envelope the swabs are placed in and matching these two to the chain of custody form. In the laboratory each of these are checked multiple times against each other to reduce the chance of a sample switch. The double blind testing checks, that after the DNA is extracted from the "double checked" labeled swabs, no mix up occurs during the testing.

GENDER TESTING

LabCorp, as a quality control step, also tests the gender of each sample. This provides an added check. For example, if the mother tested as male the laboratory would reject the results and perform additional evaluations of the sample to resolve the gender discrepancy, as the mother should test as female.

FREQUENCY TABLES

LabCorp, to its knowledge, has the largest collection of databases in the parentage business. The frequencies used for the calculations are drawn from LabCorp's extensive collection of databases of adequate size. Upon request, LabCorp can make calculations using published frequency tables. Currently LabCorp has established frequencies tables for over seventy (70) distinct populations (racial / ethnic groups). These frequency tables are comprised together of over 100,000 alleles. These frequency tables allow LabCorp to generate a more precise combined paternity index and probability of paternity for the citizens of West Virginia. This provides the best evidence of the relationship for the tested parties and for use in court. This is an example of LabCorp's continuing dedication to high quality results and scientific leadership.

CONTROLS

A known human control is run for each DNA polymorphism. The genetic markers for this human positive control must match before any interpretation is done. Negative controls are also run.

TESTING STANDARDS

LabCorp performs all testing in table accordance with the most current Standards for Relationship Testing Laboratories, as published by the AABB, and has been regularly inspected and accredited by the AABB continuously since 1987. LabCorp performs DNA testing using only validated techniques and procedures that are commonly accepted within the scientific and legal communities.

QUALITY CONTROL/QUALITY ASSURANCE

LabCorp maintains an extensive program of quality control implemented on all levels of testing and evaluation. Quality control programs developed by LabCorp meet or surpass requirements set by the federal government and licensing agencies including, but not limited to the AABB, the College of American Pathologists (CAP), New York State Department of Health and is accredited to ISO/IEC 17025 by ANSI-ASQ National Accreditation Board/FQS. In addition, LabCorp is inspected regularly by government and various accrediting groups. Using a variety of internal quality control programs, results from every laboratory department are closely monitored.

The DNA Identification Testing Division has its own Quality Assurance/Safety Officer, Beth Clifton. Dedicated to the quality control and quality assurance of this department Ms. Clifton provides leadership in the areas of quality assurance, quality control, quality related training and standardization compliance within the laboratory. She is also responsible for project management activities as they relate to specific areas within the laboratory requiring standardization to improve the quality and/or efficiency of operations. Further responsibilities include attending all safety committee meetings and maintain up to date safety manuals and safety training programs as well as all departmental Standard Operating Procedure Manuals (SOPs).

PROFICIENCY TESTING

LabCorp participates in numerous proficiency testing programs to ensure continual high performance. Internal and external proficiency programs evaluate the laboratory anonymously. For paternity, sample cases containing multiple individuals are sent through the laboratory as if they were real cases. This proficiency testing allows LabCorp to evaluate the entire process of generating a paternity case. Lastly the laboratory monitors quality incident reports. Quality incident reports are generated if an aspect of the testing process is not found to be conforming to acceptable standards. This allows the laboratory to quickly respond

to any incident with appropriate corrective action. LabCorp's success in these proficiency testing programs is evidenced by its continuous accreditation.

EQUIPMENT VALIDATION

Laboratory equipment validation is a critical aspect of our quality control procedures. Each piece of equipment must be reliable and sound to maintain proper throughput. LabCorp maintains an extensive maintenance program and quality control for all of our equipment. Our arsenal of equipment totals over 200 pieces and includes genetic analyzers, thermal cyclers, centrifuges, robotic liquid handlers, computers and many other pieces of equipment. LabCorp has the resources to develop and offer the Agency the latest technology advancements in genetic testing. LabCorp, being on the cutting edge of technology, was the first laboratory to validate and offer to its clients STR testing with over 20 loci. The utilization of these alleles provides for adequate testing up front with no additional testing or kits required in routine cases. LabCorp has validated many additional test kits and can run more loci if needed.

STANDARD OPERATING PROCEDURES (SOP)

LabCorp has established and maintains hundreds of SOPs for every testing process we perform. All employees are required to review the SOPs applicable to their area of responsibility and are required to perform procedures following the SOP. LabCorp's SOPs are reviewed annually by various levels of staff and final approval from the Laboratory Director is required.

4.1.24 The Vendor shall confirm a finding of non-paternity by exclusions in a minimum of three (3) genetic testing systems. Exclusions shall be verified to AABB standards, including but not limited to testing in duplicate and review by a senior staff member.

LabCorp will provide the Agency with exclusions in at least three (3) independent DNA test systems.

As part of LabCorp's exceptionally high level of quality control, two (2) DNA preparations are made for each person tested. With buccal swabs, one (1) of the color-coded buccal swabs is tested independently of the second buccal swab. The overlapping independently performed tests must match. LabCorp performs this duplicate testing on **all** individuals submitted for testing. This superb quality control check prevents the release of potential errors in the testing process. Importantly LabCorp performs this double-blind (duplicate) testing process on all

individuals in a case and not just on excluded putative fathers, which exceeds AABB requirements.

LabCorp also "double checks" the samples; this is not the same as double blind testing. LabCorp has and continues to double check the labeling of the samples received. LabCorp's double check process includes wrapping an adhesive flag around each person's buccal swabs at the time of collection, a process that appears unique to LabCorp, labeling the envelope the swabs are placed in and matching these two to the chain of custody form. In the laboratory each of these are checked multiple times against each other to reduce the chance of a sample switch. The double blind testing checks, that after the DNA is extracted from the "double checked" labeled swabs, no mix up occurs during the testing.

The results of DNA polymorphism testing are interpreted independently by at least two (2) technologists. Finally, all results in a case are reviewed by a member of the "doctoral staff" before being authorized for release. When the testing is completed and paternity is excluded, as part of the review process, the computer will rearrange the sample results within a case to confirm the exclusion. If this process produces a case with no exclusion, the testing is repeated or continued until the exclusion is emphatically confirmed. All of these steps, plus our stringent collection process, all go to assuring the validity of any exclusion(s).

4.1.25 Upon request, the Vendor shall conduct necessary training seminars for court or IV-D personnel concerned with DNA analysis in paternity establishment actions. The Vendor shall keep the Agency abreast of all innovations and occurrences related to genetic testing as these become available and accepted as industry standard.

LabCorp, upon request will conduct necessary training seminars for court or IV-D personnel concerned with DNA analysis in paternity establishment actions. To keep the Agency abreast of innovations and occurrences related to genetic testing, LabCorp will supply a member of it staff / or DVD presentations at no additional cost for the purpose of educational seminars, workshops, or presentations to the Agency employees, contractors, agents, or other parties approved by the Agency.

4.1.26 The Vendor shall provide a minimum of one (1) collection site in each of the fifty-five (55) counties of West Virginia. Said collection sites shall be available for appointments for a minimum of one (1) day per week.

As current vendor, LabCorp is prepared to continue specimen collections for a new Contract upon award with no interruption in collections at collection sites on

scheduled dates/times as mutually agreed upon. LabCorp will provide a minimum of one (1) collection site in each of the fifty-five (55) counties of West Virginia that will be available for appointments for a minimum of one (1) day per week, or as mutually agreed upon.

4.1.27 The Vendor shall provide a minimum of one (1) day per week at each collection site. The collection shall be conducted at a laboratory of the Vendor, or other acceptable facility, as agreed upon by the Agency and the Vendor. The Vendor shall provide a collector to obtain genetic samples from incarcerated individuals within thirty (30) calendar days following the Agency's request.

As mutually agreed upon, LabCorp will provide a minimum of one (1) day per week at an acceptable collection site.

LabCorp will schedule a collector to obtain genetic samples from incarcerated persons within thirty (30) calendar days following the request. LabCorp has been successful in coordinating with the appropriate prison officials the ability to enter the prisons and collect samples. As with prisons, incarcerated individuals can sometimes present a particular challenge for specimen collection. Specimen collectors can be denied access to the prison/correctional facility for various reasons; security clearance denied, lock down, inmate moved, and they can't accommodate the collection on that particular day. LabCorp recognizes the importance for mitigating any potential delays in collection appointments. LabCorp follows prison collections closely and immediately intervenes when necessary to ensure a swift resolution to any delay or facility access issue.

LabCorp's success in obtaining samples from incarcerated individuals located in correctional facilities, local jails, and other facilities has been substantial. In 2014, the DNA Identification Testing Division coordinated over 15,500 collections of individuals who were located in a correctional facility, local jail, or other facility.

Through the utilization of our extensive resources, LabCorp is successful in obtaining samples from incarcerated individuals, coordinating with coroner offices in the collection of samples of deceased individuals, and active military personnel at military installations outside the state and in other countries. LabCorp has the ability to coordinate with laboratories and facilities of other states and in other countries to schedule genetic testing.

4.1.28 The vendor shall provide collection of genetic samples from individuals residing in all states and the U.S. territories within thirty (30) calendar days following the Agency's request.

LabCorp provides comprehensive services nationwide in intergovernmental (formerly intra/interstate) cases. The intergovernmental scheduling team will assist in arranging collection of samples within thirty (30) calendar days following the Agency's request. The scheduling team will arrange collection of samples from the party(s) out-of-county, out-of-state, in prison, in the military and outside the United States. LabCorp will make every effort to schedule sample collections so that, whenever possible, samples from all parties arrive at the laboratory at the same time. In cases where this is not possible or does not occur as scheduled, LabCorp will test the samples received and reschedule the party(s) not yet collected.

The following services will be provided:

- Scheduling specimen collection of "absent" parties
- Forwarding of collection kit to appropriate collection site or agency
- Coordinating of all transportation arrangements for the specimens to be forwarded to the laboratory
- Confirming of all arrangements with the requesting Agency
- "No Show" confirmation of the specimen collections of the parties scheduled.

LabCorp's on-line client computer interface, "IdentiLink℠" allows the Agency direct access to request sample collections via the Internet. In an effort to streamline the workflow for its clients, LabCorp developed this automated sample collection scheduling service to enhance efficiency in the scheduling process. Our system makes scheduling easy. IdentiLink℠ may be accessed via LabCorp's secure website: https://www.labcorp.com/paternity.

ONE LOG-IN allows clients direct access to individual case status including final results and DNA sample collection scheduling capabilities. Only one (1) step is required: complete the information on-line and submit it. There is no paperwork to complete, no faxing, no phone call. Confirmation of individuals being collected can also be viewed on IdentiLink℠.
An Appointment Letter will be sent back to the Agency representative indicating the appointment date, time and location.

LabCorp will notify the appropriate Agency representative of non-attendance for parties scheduled for specimen collection through written notification by fax or email within seven (7) days of the scheduled appointment.

4.1.29 The Vendor shall provide expert testimony at no additional cost, if requested. Expert testimony may include court appearances and testimony by deposition in West Virginia or another state. An expert witness is one who has a M.D. or Ph.D. in a science involved with the study of genetic testing and genetic evaluation or in a genetic/biochemistry field or one who has a minimum of two years experience as an expert witness in the application of genetic testing in genetic evaluation. In the event that expert witness appearance is required for out-of-state cases, the Vendor will not charge any additional costs associated with out-of-state travel.

LabCorp will provide expert testimony upon request, at no additional charge.

LabCorp's current experts have appeared in hundreds of trials throughout the United States, including West Virginia. LabCorp's expert witnesses each possess a bachelor's degree from an accredited four-year institution as well as a Ph.D. degree in biomedical science and combined represent many years of experience in the specialty of parentage testing and associated expert testimony. Our experts possess the education, training and expertise in the field of paternity testing services, and have also been invited on many occasions to speak at scientific, legal and child support conferences; to consult in the formulation of relevant legislation, and to participate in many activities of the National Child Support Enforcement Association and American Bar Association. The doctoral staff will serve as the primary technical resources for the Agency and are readily available for consultation.

Curricula Vitae for our Directors are provided as **Attachment ONE.**

LabCorp's staff of Directors includes the following:

George C. Maha, J.D., Ph.D., MT(ASCP), diplomate ABMG

Dr. Maha, Associate Vice President, is the Laboratory Director and has over thirty (30) years of experience in laboratory science; over twenty-six (26) years has been spent in performing testing for parentage using a variety of technologies including HLA (Human Leukocyte Antigens), red cell antigens, red cell enzymes, serum proteins, DNA by RFLP technology and PCR-AMPFLP, PCR-dot plot, PCR-STR

technologies. Dr. Maha has provided expert testimony services in over 100 court cases.

Uwe Heine, Ph.D.

Dr. Uwe Heine, Associate Vice President, is the laboratory's Technical Director of Research and Development. Dr. Heine has worked in LabCorp's DNA Identification Testing Division for eighteen (18) years and has provided expert testimony services in four (4) court cases.

Gary M. Stuhlmiller, Ph.D.

Dr. Stuhlmiller has worked in LabCorp's DNA Identification Testing Division for over twenty-two (22) years and has provided expert testimony services in over 225 court cases.

Karl-Hans Wurzinger, Ph.D.

Dr. Wurzinger has worked in LabCorp's DNA Identification Testing Division for over twenty-two (22) years and has provided expert testimony services in over 200 court cases.

Lloyd C. Osborne, Ph.D.

Dr. Osborne has worked in LabCorp's DNA Identification Testing Division for over twenty-five (25) years and has provided expert testimony services in over 200 court cases.

Ruth P. Koester, Ph.D., diplomate ABHI

Dr. Koester has worked in LabCorp's DNA Identification Testing Division for over fifteen (15) years and has provided expert testimony services in over fifty (50) court cases.

Cynthia J. Taves, Ph.D., diplomate ABHI

Dr. Taves has worked in LabCorp's DNA Identification Testing Division for over seven (7) years and has provided expert testimony services in five (5) court cases.

Michael W. Schmiederer, Ph.D., MT(ASCP)

Dr. Schmiederer joined LabCorp after completing a post-doctoral training and research at University of Texas Medical Branch, Galveston, Texas. He has a Bachelor of Science degree in Medical Technology from the Florida Atlantic University and a Ph.D. in Molecular Bacteriology from University of South Florida, College of Medicine. Dr.

Schmiederer is also certified as a Medical Technologist by the American Society of Clinical Pathologists.

Megan Shaffer Mackenzie, Ph.D.

Dr. Mackenzie completed her Ph.D. at Louisiana State University Health Sciences Center, Shreveport in Microbiology and Immunology and completed post-doctoral training at Louisiana State University Health Sciences Center, New Orleans in 2001. She is also trained as a paralegal. Prior to joining LabCorp she was a laboratory director and technical leader of a forensic laboratory. Dr. Shaffer has over twelve (12) years of experience in paternity testing and forensic analysis, and assisted with the victim identification project following hurricane Katrina. She has appeared in 18 trials.

Expert witness services available to this project, at no additional charge, are as follows:

- courtroom testimony,
- telephonic deposition,
- response to reasonable interrogatories,
- response to reasonable discovery requests and orders,
- consultation by telephone,
- notarized affidavits,
- telephonic depositions, by special arrangement,
- assistance in developing examination of counter-experts who testify in a dispute, and other services/sources as negotiated between LabCorp and the Agency.

LabCorp witnesses thoroughly prepare for trials in which they are scheduled to appear. Each case is considered individually and the expert prepares accordingly. Upon assignment to a case the expert contacts the attorney handling the case; at that time the case is discussed and a general strategy is formulated. If the Agency attorney wishes, the witness will discuss the case with opposing counsel in an effort to enhance the likelihood of case settlement. Our experience is that this can

be very effective since most attorneys and their clients may not truly understand the genetic tests.

LabCorp witnesses will provide the Agency's attorney with a set of questions to be considered in the direct examination of the expert witness. Our witnesses will also assist the Agency's attorney in preparation of cross-examination of any counter-experts scheduled to appear.

LabCorp witnesses will appear at a trial with the complete LabCorp record of the case being heard and any related case(s) specified by the Agency. However, a wide variety of exhibits can be made available. The format of these exhibits will be determined by the Agency's attorney and witness assigned to the case.

5. CONTRACT AWARD:

5.1 Contract Award: The Contract is intended to provide Agency with a purchase price for the Contract Services. The Contract shall be awarded to the Vendor that provides the Contract Services meeting the required specifications for the lowest total price (lowest estimated annual total cost) as shown on the Pricing Section.

LabCorp acknowledges understanding of the Contract Award as described above.

5.2 Pricing Section: Vendor should complete the Pricing Section by providing the unit price of each of the commodity line and multiplying it by the Estimated Annual Volume to come up with the total price. Provided a bidder meets the required specifications outlined in this RFQ, the award will go to the lowest bidder. The Estimated Annual Volume is based on the state fiscal year July 1, 2012 through June 30, 2013. Vendor should complete the Pricing section in full as failure to complete the Pricing Section is its entirety may result in Vendor's bid being disqualified.

LabCorp has completed the Pricing Section in full as instructed in the RFQ.

6. PERFORMANCE: Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency. In the event that this Contract is designated as an open-end contract, Vendor shall perform in accordance with the release orders that may be issued against this Contract.

LabCorp acknowledges understanding of section 6. Performance.

7. **PAYMENT: Agency shall pay per Buccal Swab Collection and Analysis by vendor and per Special Circumstances – Deceased Individuals, Collection/Analysis of Blood or Other Tissue Sample, as shown on the Pricing Section for all Contract Services performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.**

   LabCorp acknowledges understanding of section 7. Payment.

8. **TRAVEL: Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the flat fee or hourly rate listed on Vendor's bid, but such costs will not be paid by the Agency separately.**

   LabCorp acknowledges responsibility for all mileage and travel costs, including travel time that will be associated with the performance of this Contract.

9. **FACILITIES ACCESS: Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and /or keys are required:**

   a. **Vendor must identify principal service personnel which will be issued access cards and/or keys to perform services.**

   b. **Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.**

   c. **Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.**

   d. **Anyone performing under this Contract will be subject to Agency's security protocol and procedures.**

   e. **Vendor shall inform all staff of Agency's security protocol and procedures.**

      LabCorp understands the performance of our contract services may require access cards and/or keys to gain entrance to Agency's facilities. We acknowledge and accept Agency's facility access requirements as identified in "a. through e." above.

10. **VENDOR DEFAULT:**

    a. **The following shall be considered a vendor default under this Contract.**

i. **Failure to perform Contract Services in accordance with the requirements contained herein.**
ii. **Failure to comply with other specifications and requirements contained herein.**
iii. **Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.**
iv. **Failure to remedy deficient performance upon request.**

b. The following remedies shall be available to Agency upon default.

i. **Immediate cancellation of the Contract**
ii. **Immediate cancellation of one or more release orders issued under this Contract.**
iii. **Any other remedies available in law or equity.**

LabCorp acknowledges understanding of Section 10 (a), (b) described above.

11. MISCELLANEOUS:

a. CONTRACT MANAGER: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Angie R. Miller
Vendor's Address: LabCorp
1440 York Court
Burlington, NC 27215
Telephone: (336)436-7355
Fax Number: (336)538-6572
Email Address: millera@labcorp.com

Value Added Services: *Going beyond the minimum requirements*

As current vendor, LabCorp provides the Agency with the following value added services, *at no additional charge* and would continue under a new Contract.

Experience & Stability

- **Financial Stability:** LabCorp is the fastest growing national laboratory in America and the second largest clinical laboratory in the US. With annual revenues of $5.8 billion in 2013, LabCorp generated over $881 million in operating cash flow. LabCorp employs over 34,000 individuals nationwide and services more than 220,000 clients. LabCorp's 2013 Annual Report is available upon request.

- **Extensive Experience:** LabCorp has been a solid, reliable provider of genetic testing services for thirty-three (33) years and we commit ourselves in this proposal to being there for the Agency in the challenging years to come.

- **State of West Virginia Experience:** LabCorp is the current vendor providing Genetic Testing Services to the Agency and has been the laboratory of choice by the Agency for over three (3) years. The Agency can be confident in a seamless transition should LabCorp be selected to provide services under a new Contract.

- **Experienced Staff:** LabCorp is staffed by experienced, full-time, highly qualified employees dedicated to all aspects of parentage testing, from technical to administrative. Most of the key personnel for this project have at least fifteen (15) years of experience working at LabCorp providing genetic parentage testing services.

- **Industry Leadership:** Involvement with Scientific and Legal regulatory groups: LabCorp has a leadership role in many scientific and legal areas. This includes having a staff member that was the immediate past chair of AABB's Relationship Testing Program Unit. Currently LabCorp has staff members that are consultants to AABB's Relationship Testing Program Unit, members of AABB's Relationship Accreditation Program Unit, consultant to AABB's Molecular Testing Program Unit, Co-Chair of the American Society of Histocompatibility and Immunogenetics (ASHI) standards committee, consultant to the Histocompatibility/Identity Testing Committee of the College of American Pathologists and a board member of the North Carolina Child Support Council (NCCSC) and Western Interstate Child Support Enforcement Conference (WICSEC). Past responsibilities include having an Observer to the National Conference of Commissioners on Uniform State Laws (NCCUSL), Uniform Parentage Act (UPA 2000); Co-Chair, American Bar Association, Family Law Section, Parentage Committee; Board member of National Child Support Enforcement Association (NCSEA); and have assisted in the drafting of laws in multiple states.

LabCorp has numerous doctors with years of experience; nine (9) doctors in this division and more than sixty (60) throughout the company. In this division, eight (8) doctors (PhD) hold Certificates of Qualification from the New York State Department of Health in Relationship Testing, three (3) hold boards from national organizations (one from the American Board of Medical Genetics (ABMG) and two from the American Board of Histocompatibility and Immunogenetics (ABHI)). Further, two (2) of the doctors are also certified as Medical Technologist by the American Society of Clinical Pathologists (MT(ASCP)). Many of these doctors have worked in relationship testing since the 1980's, longer than most competing paternity laboratories have existed.

Special Procedures/Approaches

- **Greater than 20 Genetic Systems (loci):** In March 2010 LabCorp announced that we would begin testing more than 20 loci on every sample. As the first national laboratory providing genetic testing to offer a more than 20 marker genetic analysis, other labs are beginning to follow our lead. LabCorp continues to lead the industry by investing in new and advanced technology. This routine test battery of PCR-STR consists of more than twenty (20) genetic systems providing an average cumulative power of exclusion greater than 99.9999%.

- **Double Blind Testing:**
  As part of LabCorp's exceptionally high level of quality control, two (2) DNA preparations are made for each person tested. With buccal swabs, one (1) of the color-coded buccal swabs is tested independently of the second buccal swab. The overlapping independently performed tests must match. LabCorp performs this duplicate testing on **all** individuals submitted for testing. This superb quality control check prevents the release of potential errors in the testing process. Importantly LabCorp performs this double-blind (duplicate) testing process on all individuals in a case and not just on excluded putative fathers, which exceeds AABB requirements.

  LabCorp also "double checks" the samples; this is not the same as double blind testing. LabCorp has and continues to double check the labeling of the samples received. LabCorp's double check process includes wrapping an adhesive flag around each person's buccal swabs at the time of collection, a process that appears unique to LabCorp, labeling the envelope the swabs are placed in and matching these two to the chain of custody form. In the laboratory each of these are checked multiple times against each other to reduce the chance of a sample switch. The double blind testing checks, that after the DNA is extracted from the "double checked" labeled swabs, no mix up occurs during the testing. *This exceeds AABB requirements.*

- **Gender Testing:** LabCorp, as a quality control step, also tests the gender of each sample. This provides an added check. For example, if the mother tested as male the laboratory would reject the results and perform additional evaluations of the sample to resolve the gender discrepancy, as the mother should test as female.

- **Frequency Tables:** LabCorp, to its knowledge, has the largest collection of databases in the parentage business. The frequencies used for the calculations are drawn from LabCorp's extensive collection of databases of adequate size. Upon request, LabCorp can make calculations using published frequency tables. Currently LabCorp has established frequencies tables for seventy (70) distinct populations (racial / ethnic groups). These frequency tables allow LabCorp to generate a more precise combined paternity index and probability of paternity for the citizens of West Virginia. This provides the best evidence of the relationship for the tested parties and for use in court. This is an example of LabCorp's continuing dedication to high quality results and scientific leadership.

- **Color-coded Buccal Swab Collection Kits:** LabCorp's buccal swab sample collection kits are all color-coded: ***pink*** for the mother, ***yellow*** for the child, and ***blue*** for the alleged father. These color-coded swabs are wrapped with a matching color-coded label containing the collected parties' name. The label also indicates if the sample is from the mother, child or alleged father. These labeled swabs are placed in matching color-coded envelopes. This process provides a strong chain of custody.

- **DNA sample collections performed at LabCorp PSCs**: Nationwide, LabCorp has approximately 1,800 company-operated Patient Service Centers, a feature of which NO other laboratory in the industry offer. LabCorp Patient Service Centers are available for use to better facilitate the intergovernmental (formerly interstate) scheduling process. Our large network of Patient Service Centers allows us to deliver effective and dependable daily service, which includes our extensive courier services.

  In addition to LabCorp's company-operated patient service centers, LabCorp utilizes a large database of over 9,000 alternate sample collection locations worldwide. In total, LabCorp has access to over 10,800 collection sites from which it can satisfactorily service the Agency, accommodating more than the collection needs of this Contract. Through this support system LabCorp provides a variety of specimen collection, client support, and patient services.

- **Status reports can be obtained from Identilink℠:** LabCorp offers two (2) monthly status reports. One report is a general overview of the account's activity for the month providing:

  - number of full cases reported
  - number of partial cases reported
  - number of cases requiring extended testing

- percent of exclusions
- average probability
- average turnaround time
- number of cases reported per calendar day of the month

Another status report gives the account's activity for the month down to the individual case level identifying each partial case outstanding, each case reported along with the date sent and whether or not the alleged father was excluded.

- **Private Website for Non-Child Support Clientele:** www.labcorpdna.com is a new website we offer to our clients in cases where individuals want paternity testing but child support is not needed. Individuals can access this website to schedule a paternity collection, locate a LabCorp patient service center near them or order a buccal swab collection kit.

- **Language Translation Line:** LabCorp makes every effort to be sensitive to cultural differences of its clients. Part of this sensitivity is to provide translation services. Currently, LabCorp employs staff that speaks several languages. LabCorp also can provide Spanish translations of much of its literature and Client Authorization/Chain of Custody forms. LabCorp also subscribes to a translation service that can assist in communicating in many languages.

- **Paternity Acknowledgement Video:** A Paternity Acknowledgement Video will be provided to collection sites, as mutually agreed upon, within West Virginia for clients to use with prospective parents regarding the importance of establishing paternity. This video is particularly useful for the paternity acknowledgement program.

- **Educational Literature/Brochures:** LabCorp maintains and regularly updates a large number of handouts on various paternity testing topics, both scientific and legal. As mutually agreed upon, LabCorp will provide educational materials, to assist in the understanding of genetic testing for the parentage testing participants. These pieces of literature are available in English and Spanish and will be provided to the Agencies upon request.

- **LabCorp's billing system provides the following Invoice information:**

  - Client name,
  - account's administrative or authorization number,
  - LabCorp's case number,
  - Custodial parent's name,
  - child(ren)'s name(s),
  - alleged father(s) name(s),

- specimen collection date,
- date case reported,
- type of genetic test(s),
- cost of genetic testing per sample and totaled per case,
- type of specimen tested,
- other information as mutually agreed upon.

LabCorp will provide the Agency an invoice by the fifteenth (15th) of the month containing a monthly billing summary, itemized by case.

Closing Statement

LabCorp's commitment to the Agency is to continue to be a partner offering quality testing, an experienced staff, and a knowledgeable multi-tiered customer service team. LabCorp is dedicated to providing the highest level of genetic paternity testing services to its clients. LabCorp continuously strives to be a leader in DNA analysis for paternity establishment and family reconstruction. LabCorp appreciates the opportunity to present this genetic testing services proposal to the Agency and we provide our assurance that the Agency will find that LabCorp has strong financial resources, the necessary experience, technical qualifications, skills, and facilities with ample capacity to fulfill the requirements of this contract.

As a friendly reminder, following are reasons to continue receiving services from LabCorp:

The advantages in using LabCorp include:

- *S&P 500 financially stable company with over three (3) decades of experience providing paternity genetic testing,*
- *Routine testing method consists of over 20 loci on every sample,*
- *Double-blind testing performed on every sample,*
- *Testing that excludes, on average, greater than 99.9999% of non-fathers,*
- *70 frequency tables for various ethnic/racial groups for paternity calculations,*
- *Active, internal research and development program to bring the Agency cutting edge technology,*
- *Extensive network of company-operated PSCs nationwide,*
- *Computer access for electronic scheduling of sample collection(s), case information tracking, and electronically view/download results,*
- *Multi-tiered customer service,*
- *Account Manager dedicated to the Agency for this Contract,*
- *Friendly, knowledgeable customer service representatives eager to assist with inquiries,*
- *Direct access to Doctoral staff for consultation,*
- *Easy to read and understand reports of the testing and evaluation,*
- *Educational tools provided to assist the Agency with your clients,*
- *Access to LabCorp's current fleet of corporate airplanes and 2,700 service representative/couriers for rapid sample transportation to our testing facility, and*
- *Ability to help with special collection projects*
- *Financial stable company*
- *Long term employees*

Table of Attachments	
Curricula Vitae of the DNA Identification Testing Ph.D.'s	ONE
Paternity Specimen Collection Training Manual	TWO
LabCorp's AABB Accreditation Certificate	THREE
SOP Table of Contents	FOUR

GERORGE C. MAHA, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

St. Louis University	
Bachelor of Arts (Biology)	1976
Master of Science (Biology)	1979
University of Illinois (Urbana)	
Department of Genetics and Development	
Doctor of Philosophy	1982
Biomedical Laboratory Internship,	
Malcolm Grow USAF Medical Center	1983
North Carolina Central University	
School of Law, Juris Doctor	1995

LICENSURE AND CERTIFICATION:

Ph.D. Medical Geneticist	1987
American Board of Medical Genetics	
Medical Technologist	1983
American Society of Clinical Pathologists	
Laboratory Director	
New York State Department of Health	
Admitted, North Carolina State Bar	1995

CURRENT POSITION:

Associate Vice President
Laboratory Director / Technical Leader
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-742-3944, extension 67307
Fax 336-436-7384
Mahag@LabCorp.com

UNIVERSITY APPOINTMENTS:

Lecturer, St. Louis University
Lecturer, University of Maryland (European Division)
Lecturer, Embry-Riddle Aeronautical University
Lecturer, University of Southern Mississippi

HOSPITAL APPOINTMENTS:

Chief, Medical Genetics Laboratory, USAF Medical Genetics Center,	
USAF Medical Center, Keesler AFB, MS	1984 – 1987
Chief, Clinical Laboratory Services, USAF Regional Hospital,	
Incirlik, Turkey	1983 - 1984

GERORGE C. MAHA, Ph.D.
CURRICULUM VITAE
(Abbreviated)

LEGAL APPOINTMENTS:

Observer, National Conference of Commissioners on Uniform State Laws Revision of the Uniform Parentage Act	1997- 2002
American Bar Association - Vice Chair, Family Law Section, Paternity Committee	1996 – 1997

SCIENTIFIC APPOINTMENTS:

College of American Pathologists (CAP), Consultant, Histocompatibility/Identity Testing Committee	2010 - Present
American Association of Blood Banks (AABB), Consultant, Relationship Testing Standards Program Unit	2008 – Present
American Association of Blood Banks (AABB), Chairman, Relationship Testing Standards Program Unit	2003 – 2007
American Association of Blood Banks (AABB), Member, Relationship Testing Standards Program Unit	1998-present

PROFESSIONAL SOCIETY MEMBERSHIPS:

AABB (formerly American Association of Blood Banks)
American Society of Human Genetics (ASHG)
American Society of Clinical Pathology (ASCP)
International Society for Forensic Genetics (ISFG)

MILITARY SERVICE:

Captain, United States Air Force, Biomedical Science Corps	1982 -1987
Honorable Discharge:	June 30, 1987

PAPERS PRESENTED AND PUBLISHED IN ABSTRACT FORM:	7 Abstracts
PUBLICATIONS (PEER REVIEWED JOURNALS):	10 Articles
INVITED PAPERS, REVIEWS, BOOK CHAPTERS, ETC.:	5
YEARS OF EXPERIENCE IN PARENTAGE TESTING:	23 (since 1987)
NUMBER OF COURT QUALIFICATIONS AS EXPERT:	104
NUMBER OF STATES QUALIFIED AS AN EXPERT:	24

American Board of Medical Genetics

George Christopher Maha

having fulfilled the requirements and having successfully passed the examination of this board is hereby certified as a

Diplomate of the American Board of Medical Genetics

as a

Ph.D. Medical Geneticist

Walter E. Nance MD, PhD
President

Larry Shapiro, M.D.
Vice President

Arthur S. Brown MPH

Lewis B. Holmes MD

Maria-Louise Lubs, Ph.D

R. Neal Schmeckpeper MD

P. M. Conneally, Ph.D
Secretary

Beverly R. Rollnick, Ph.D
Treasurer

Laird G. Johnson MD

Samuel A. Latt MD, PhD

C. Ronald Scott MD

Robert L. Summitt M.D.

870420

September 15, 1987
Date

UWE HEINE, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

Ohio Wesleyan University
Delaware, OH 43015
Bachelor of Arts (Bacteriology and Botany) 1979

Indiana University
Master of Arts (Microbiology) 1982

Indiana University
Doctor of Philosophy (Microbiology) 1985

CURRENT POSITION:

Associate Vice President 2008 – present
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-742-3944, extension 67308
heineu@LabCorp.com

Job description: Molecular assay development and validation, test result review, technical troubleshooting, accreditation compliance, quality control, customer support, business development, other duties as required.

FORMER APPOINTMENTS:

Technical Director, Department of HLA/Paternity Evaluation, Laboratory Corporation of America Holdings, Burlington, NC 2000 – 2008

Director of DNA Analysis, Department of HLA/Paternity Evaluation, Laboratory Corporation of America Holdings Burlington, NC 1993 – 2000

Associate Director, DNA Probe Laboratory, Department of HLA/Paternity Evaluation, Roche Biomedical Laboratories, Burlington, NC 1989 - 1993

Postdoctoral Research: Structural and Genetic Analysis of the Origin of Replication in Simian Virus 40 (SV40) DNA. Dr. Melvin L. DePamphilis, Advisor. Department of Biological Chemistry, Harvard Medical School, Boston, MA, continued at the Roche Institute of Molecular Biology, Nutley, NJ 1985 – 1989

Doctoral Thesis: Analysis of DNA Surrounding the Vitellogenin Genes of *Caenorhabditis elegans*. Dr. Thomas Blumenthal, Advisor. Indiana University, Bloomington, IN 1982 – 1985

FORMER APPOINTMENTS: (cont.)

Master's Thesis: The Effect of RNA Phage Infection on the Synthesis of Polypeptides in *Escherichia coli*. Dr. Thomas Blumenthal, Advisor. Indiana University, Bloomington, IN	1979 - 1982
Undergraduate Research: The Use of Scanning Electron Microscopy in the Taxonomy of the *Bromeliaceae*. Dr. Charles Krause, Advisor. U.S.D.A. Laboratory, Delaware, OH	1978

AWARDS:

Bayard Floyd Fellowship	1980 and 1981
Roche Institute of Molecular Biology Fellowship	1986 - 1989
Corporate Achievement Award, Roche Biomedical Laboratories	1993
U.S. Patent #5,466,603, Temperature Regulated DNA Hybridization Chamber	1995
Chairman's Award, Laboratory Corp. of America, Holdings	2001
Principal Investigator, National Marrow Donor Program contracts for DNA based HLA typing of Registry Donors	1997 – present

CERTIFICATIONS:

Qualified Laboratory Director, Histocompatibility, Paternity/Identity, Blood Genetic Markers, DNA Testing, HLA Testing. New York State Department of Health

TEACHING EXPERIENCE:

Associate Instructor in Microbiology, Indiana University	1979 and 1980
Associate Instructor in Virology and Tissue Culture, Indiana University.	1980 and 1981

PUBLICATIONS (PEER REVIEWED AND INVITED):	21
PAPERS PRESENTED AND PUBLISHED IN ABSTRACT FORM:	13
NUMBER OF STATES IN QUALIFIED AS AN EXPERT:	4
MEETINGS ATTENDED/INVITED TO ATTEND:	37

GARY MICHAEL STUHLMILLER, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

Cornell University, Ithaca, NY,
Bachelor of Science (Microbiology), 1972

State University of New York at Buffalo, NY,
(Physical Chemistry)

Duke University, Graduate School, Durham, NC,
Doctor of Philosophy (Immunology) 1976

Duke University Medical Center, Durham, NC,
Post-Doctoral Fellowship (Tumor Virology)

Scripps Clinic and Research Foundation, LaJolla, CA
Immunochemistry)

LICENSURE AND CERTIFICATION:

New York State Department of Health
Laboratory Director in Histocompatibility and
Paternity/Identity Testing
Certificate of Qualification No.: CPQ20036

CURRENT POSITION:

Director
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 336-436-7306
Fax: 336-436-7384

UNIVERSITY APPOINTMENTS:

Research Associate, Assistant Professor, 1977-1989
Duke University Medical Center
Department of Surgery
Durham, NC 27710

Research Biologist, 1982 - 1987
Durham Veterans Administration Hospital
Durham, NC 27705

GARY MICHAEL STUHLMILLER, Ph.D.
CURRICULUM VITAE
(Abbreviated)

PROFESSIONAL SOCIETY MEMBERSHIPS:

American Association of Immunologists
American Society for Histocompatibility and Immunogenetics
American Association for Cancer Research
National Child Support Enforcement Association (NCSEA)
Corporate Speaker Bureau

PUBLICATIONS (PEER REVIEWED AND INVITED):	30+ Articles
YEARS OF EXPERIENCE IN PARENTAGE TESTING:	15 Years
NUMBER OF COURT QUALIFICATIONS AS EXPERT:	200 +
NUMBER OF STATES IN WHICH QUALIFIED AS AN EXPERT:	29 States

KARL-HANS WURZINGER, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

State University of New York, Syracuse, NY
Bachelor of Science (Zoology) 1971

Syracuse University, Syracuse, NY
Bachelor of Science (Forestry) 1971

State University of New York, Syracuse, NY
Master of Science (Zoology) 1974

Syracuse University, Syracuse, NY
Master of Science (Forestry) 1974

University of Michigan, Ann Arbor, MI
Doctor of Philosophy (Zoology) 1980

CURRENT POSITION:

Director May 1987 to Present
DNA Identification Testing
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-222-7566 extension 67313
Fax: 336-436-7384

RESPONSIBILITIES:

Primary functions are to interpret, evaluate, and certify genetic test results in cases of disputed parentage. I have evaluated many thousands of Paternity cases. In addition I have been qualified as an Expert Witness and have testified in numerous paternity cases in more than 15 different States.

TECHNICAL EXPERIENCE: Parentage Evaluation utilizing DNA (RFLP and PCR Methodologies), as well as traditional (ie., non-DNA) genetic marker systems.

PROFESSIONAL APPOINTMENTS:

Research Associate, Department of Human Genetics
University of Michigan Medical School 1979-1987

YEARS OF EXPERIENCE IN PARENTAGE TESTING: 26 years

NUMBER OF COURT QUALIFICATIONS AS EXPERT: 100 +

NUMBER OF STATES IN WHICH QUALIFIED AS AN EXPERT: 15 +

LLOYD CHARLES OSBORNE
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

UCLA
Bachelor of Arts (Bacteriology) 1972

University of Texas Medical Branch
Graduate School of Biomedical Science
Master of Arts (Microbiology) 1977
Doctor of Philosophy (Immunology) 1979

LICENSURE AND CERTIFICATION:

New York: Laboratory Director, Histocompatibility, Paternity/ Identity Testing, Engraftment Monitoring
Certificate of Qualification No.: CQP7624

CURRENT POSITION:

Director
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-742-3944 Ext. 67312
Fax: 336-436-7384 (FAX)

FORMER APPOINTMENTS:

Microbiologist 1979 - 1987
Food and Drug Administration
Center for Food Safety and Applied Nutrition,
Cincinnati, Ohio

PROFESSIONAL SOCIETY MEMBERSHIPS:

AABB (Formerly American Association of Blood Banks)
American Society of Histocompatibility and Immunogenetics

PAPERS PRESENTED AND PUBLISHED IN ABSTRACT FORM: 7 Articles

PUBLICATIONS (PEER REVIEWED AND INVITED): 14 Articles

YEARS OF EXPERIENCE IN PARENTAGE TESTING: 18 Years

NUMBER OF COURT QUALIFICATIONS AS EXPERT: 234

NUMBER OF STATES IN WHICH QUALIFIED AS AN EXPERT: 33

RUTH PETZOLD KOESTER
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

Cornell University
B.S (Biological Sciences)
Ithaca, NY 1987

North Carolina State University
Ph.D. (Genetics)
Raleigh, NC 1992

LICENSURE AND CERTIFICATION:

Diplomat 2002
American Board of Histocompatibility and Immunogenetics

Laboratory Director
New York State Department of Health

PROFESSIONAL EXPERIENCE:

Director August 1999 – Present
DNA Identity Testing Department
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-742-3944 extension 67310
Fax: 336-436-7384

Associate Director August 1995 – August 1999
Laboratory Corporation of America Holdings
Burlington, NC

Director May 1995 – August 1995
Genetic Design, Inc.
Greensboro, NC

Associate Director December 1992 – May 1995
Genetic Design, Inc.
Greensboro, NC

Graduate Student/Research Fellow 1987 - 1992
North Carolina State University,
Raleigh, NC

Graduate Teaching Assistant 1990
North Carolina State University,
Raleigh, NC

RUTH PETZOLD KOESTER
CURRICULUM VITAE
(Abbreviated)

HONORS:	National Science Foundation Graduate Fellow	1987 – 1990
	McKnight Foundation Fellow	1990 – 1992
	Cornell Tradition Academic Fellow	1985 – 1987
	National Merit Scholar	1983
	Phi Kappa Phi, inducted	1987
	Sigma Xi, inducted	1994

PROFESSIONAL ASSOCIATIONS:

American Society of Histocompatibility and Immunogenetics

PUBLICATIONS (PEER REVIEWED AND INVITED):	15 Articles
YEARS OF EXPERIENCE IN PARENTAGE TESTING:	10
NUMBER OF COURT QUALIFICATIONS AS EXPERT:	50
NUMBER OF STATES IN WHICH QUALIFIED AS EXPERT:	18

ABHI

The American Board of Histocompatibility and Immunogenetics

attests that

Ruth P. Koester

has met the requirements for certification as a director in the Laboratory Specialty of Histocompatibility Testing

and is hereby designated

D·I·P·L·O·M·A·T·E

of the American Board of Histocompatibility and Immunogenetics

In witness whereof, we have hereunto set our hand and seal this 19th *day of* October, 2002 *and award Certificate Number* 94

ABHI President

ABHI Examination Chair

Certificate valid through 12/31/2014

CYNTHIA JANE TAVES, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

University of Wisconsin at Eau Claire Bachelor of Science	1973
Marquette University Master of Science (Immunology)	1978
The Medical College of Wisconsin Doctor of Philosophy (Immunochemistry)	1987
American Board of Histocompatibility and Immunogenetics Diplomate	2004

CURRENT POSITION:

Director
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-222-7566 extension 67546
Direct Phone: 336-436-7546
Fax: 336-436-7384

RESPONSIBILITIES:

Perform initial and final technical review of parentage testing data for accuracy and completeness. Perform computer aided and manual calculations of parentage indices. Refer repeat samples back to the laboratory for additional testing. Prepare final reports. Perform final technical review of HLA class I and class II data for accuracy and completeness to ensure that it meets all quality control and assurance requirements. Review and verify STR data for engraftment monitoring. Report results of all samples to client. Participate in corporate quality improvement programs.

PROFESSIONAL EXPERIENCE:

Manager; Quality Assurance and Regulatory Affairs Pel-Freez Clinical Systems	1997-1999
Research Associate Pel-Freez Clinical Systems	1989-1997
Research Technologist/ Fellow The Medical College of Wisconsin Department of Microbiology	1982-1986
Senior Research Technologist The Medical College of Wisconsin Midwest Children's Cancer Center At Children's Hospital	1979-1982
Research Technologist Mt. Sinai Medical Center	1977-1979

CYNTHIA JANE TAVES, Ph.D.
CURRICULUM VITAE
(Abbreviated)

UNIVERSITY APPOINTMENTS:

Instructor
Marion College
Division of Math and Sciences 1988-1989

Instructor
Alverno College
Division of Life Sciences 1987

Invited Professor
Instituto Nacional De Diagnostico Y Referencia Epidemiologiocos,
Mexico City, Mexico 1993, 1994, 1995
1996, 1997, 1998

Invited Lecturer
First Practice and Theory Course on Actualization in Histocompatibility,
Lima, Peru 1995

QUALIFICATIONS:

New York State Department of Health, Certificate of Qualification in Histocompatibility, Paternity/Identity Testing, Transplant Monitoring (Limited to Engraftment), Genetic Testing, (limited to Molecular for Zygosity and HLA susceptibility)

PROFESSIONAL SOCIETY MEMBERSHIPS:

American Society for Histocompatibility and Immunogenetics
(ASHI Board member 2013-2016 term)
(ASHI Representative to AABB Molecular Standards Committee)
AABB (formerly American Association of Blood Banks)
European Foundation for Immunogenetics

PUBLICATIONS (PEER REVIEWED AND INVITED): 2 Articles

PAPERS PRESENTED AND PUBLISHED IN ABSTRACT FORM: 5 Articles

YEARS OF EXPERIENCE IN PARENTAGE TESTING: 13 Years

NUMBER OF COURT QUALIFICATIONS AS EXPERT: Eleven

QUALIFIED AS AN EXPERT IN THE FOLLOWING STATES AND TERRITORIES: AK, CA, IL, IN, MN, MO, NC, WI, WY and GUAM

ABHI

The American Board of Histocompatibility and Immunogenetics

attests that

Cynthia J. Taves

has met the requirements for certification as a director in the Laboratory Specialty of Histocompatibility Testing

and is hereby designated

D·I·P·L·O·M·A·T·E

of the American Board of Histocompatibility and Immunogenetics

In witness whereof, we have hereunto set our hand and seal this 2nd *day of* October, 2004 *and award Certificate Number* 107

ABHI President

ABHI Examination Chair

Certificate valid through 12/31/2016

MICHAEL WAYNE SCHMIEDERER
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

Palm Beach Community College, Central Campus — 1987-1989
Lake Worth, Florida
A. A. Biological Sciences

Florida Atlantic University — 1989-1991
Boca Raton, Florida
Bachelor of Science (Medical Technology)

University of South Florida, College of Medicine — 1996-2002
Dept. of Medical Microbiology and Immunology
Tampa, Florida
Doctor of Philosophy, (Molecular Bacteriology)

CURRENT POSITION:

Director
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, North Carolina 27215
Phone: 1-336-436-3723
Fax: 1-336-436-7384
Schmiem@LabCorp.com

ACADEMIC APPOINTMENTS:

Instructor, Texas A&M University at Galveston
Instructor, Galveston College
Adjunct Instructor, University of Texas Medical Branch at Galveston

LICENSURE AND CERTIFICATION:

Medical Technologist (1996)
American Society of Clinical Pathologists

SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Associate Member, American Society of Clinical Pathologists
Member, American Association for the Advancement of Science

PUBLICATIONS IN PEER REVIEWED JOURNALS: 6 Articles

ABSTRACTS PRESENTED: 13 Abstracts

MEGAN SHAFFER MACLENZIE, Ph.D.
CURRICULUM VITAE
(Abbreviated)

EDUCATION:

LSU Health Sciences Center — 2000
Shreveport, LA
Ph.D. Microbiology and Immunology
Dr. Kenneth Peterson

Indiana University — 1993
Bloomington, IN
B.S. Biology

CURRENT POSITION:

Scientist
DNA Identification Testing Division
Laboratory Corporation of America Holdings
1440 York Court
Burlington, NC 27215
Phone: 800-222-7566 extension 63712

RESPONSIBILITIES:

Responsible for assisting with review and approval of paternity testing in a large volume laboratory. Monitor the of quality practices. Provide technical assistance in the laboratory, and serve as a resource for staff development.

PROFESSIONAL EXPERIENCE:

Laboratory Director — April 2013– November 2013
DNA: SI Labs
Burlington, NC 27215

RESPONSIBILITIES:

Responsible for all oversight of the laboratory and management of personnel, including completion of all quality and administrative processes. Responsible for client contact and development; budgeting and exploration of cost reduction measures. Provided direction of staff for technical development.

Technical Leader — June 2011 – November 2013
DNA: SI Labs
Burlington, NC 27215

RESPONSIBILITIES:

In addition to responsibilities detailed below, responsible for the oversight of the technical operations of the laboratory. Responsible for evaluating all validations and methods used by the laboratory and exploration of new analytical procedures. Responsible for reviewing all

transcripts, training records and training for analysts, and approval of qualifications prior to beginning casework. Approval of technical specifications of outsourcing agreements and review of all internal and external audit documents and any necessary corrective actions. Responsible for yearly review of laboratory procedures. Responsible for review and approval of training, quality assurance and proficiency testing programs. Responsible for review of technical problems and implement corrective actions.

PROFESSIONAL EXPERIENCE: (cont.)

Manager of Lab Operations — June 2010 – November 2013
Senior Forensic DNA Analyst
DNA: SI Labs

RESPONSIBILITIES:

Responsible for the day to day operations of the laboratory, management of technical personnel, including evidence custodians, technicians and analysts. Responsible for scheduling and tracking casework and batchwork in the laboratory, and adherence to strict quality standards. Maintenance of consumables and supplies to promote consistent throughput. Assisted in the technical and quality review of all laboratory procedures, the technical development of the staff and the research and development of new laboratory methods.

Paralegal — March 2007 – May 2010
The Cochran Firm
Metairie, LA

RESPONSIBILITIES:

Responsible for organization of medical records, organization of case files, production of petitions, discovery documents, and correspondence related to case files. Preparation for litigation, client contact and attorney contact, scheduling conferences, depositions and other meetings. Researching medical procedures and diagnoses. Proficient in CaseMap, Client Profiles and Microsoft programs.

Deputy Director — November 2005- March 2007
ReliaGene Technologies, Inc.
New Orleans, Louisiana

RESPONSIBILITIES:

Responsible for monitoring revenue and output of the forensic department as well as providing adequate staffing and training for forensic personnel. Responsible for daily monitoring of output and

adjusting staff appropriately. Increased departmental revenue to greater than $200,000 per month, and levelized casework production to steady state.

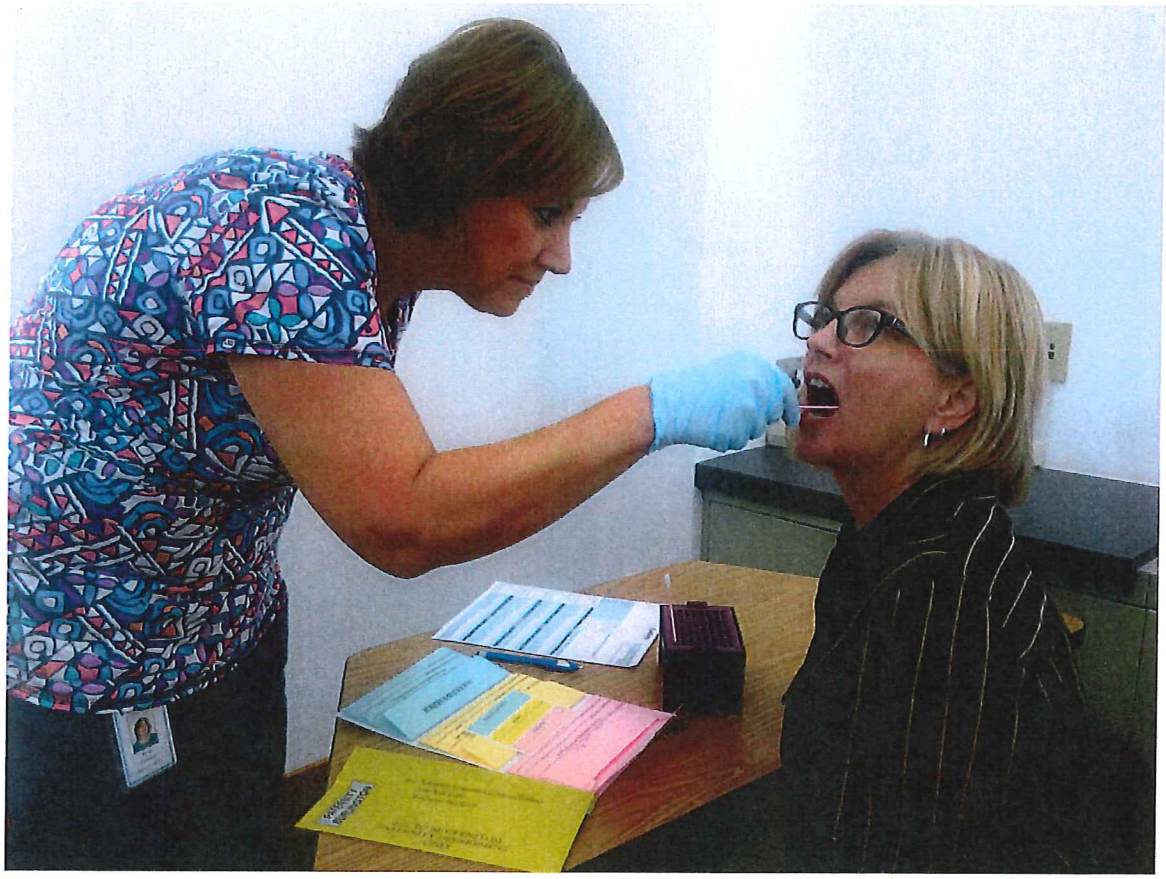
Available to review and approve case reports prior to their release and provide testimony as a court qualified expert. Has the authority to speak directly to clients regarding their case processed at the laboratory. Available to laboratory personnel as a resource for technical advice, problem solving and questions. Responsible for oversight of training, QA/QC, safety measures, and proficiency testing in the laboratory. Responsible for remaining up-to-date with current methods and procedures in order to advise the laboratory in that regard. Responsible for insuring that casework/database samples are processed in an accurate and timely manner, and managing daily operations of the laboratory. Has the authority to assign laboratory duties. Also qualified as a forensic DNA analyst.

Responsible for maintaining a safe work environment and for maintaining quality control of all safety associated systems. Responsible for quality control/quality assurance matters in the absence of the technical leader.

PROFESSIONAL MEMBERSHIPS: (Past & Present)

American Society of Microbiology
The Association for Research in Vision and Ophthalmology

PUBLICATIONS (PEER REVIEWED AND INVITED):	7 Articles
PAPERS PRESENTED AND PUBLISHED IN ABSTRACT FORM:	9 Articles
NUMBER OF JURISDICTIONS QUALIFICATIONS AS EXPERT:	Eighteen
LECTURES AND PRESENTATIONS:	Ten



Paternity Collection Manual

LabCorp
Laboratory Corporation of America

Table of Contents

Introduction

The Paternity Specimen Collection Manual is intended for use by all Phlebotomists, Collectors, and personnel at collection sites providing services to LabCorp. **All** LabCorp specimen collectors are provided with the LabCorp Specimen Collection Manual that contains the protocol for the collection and submission of paternity specimens. Also included is the Collector Confidentiality Agreement which covers the handling of confidential information.

As an industry leader in genetic testing for more than 25 years, this manual describes the LabCorp difference:

Innovation and Technology

Quality

Accreditations

Resources

After reading the manual and reviewing the PowerPoint presentation, a new applicant should call LabCorp to set up a time to complete an over the phone training, a competency quiz, and a collector's agreement in order to be qualified to perform collections. The agreement **MUST** be signed by the phlebotomists/collector, and returned to LabCorp to be placed in his/her file.

Important

Proper specimen collection and submission are critical to the parentage testing process. By correctly following the procedures in this manual you will help ensure timely delivery of important results for the paternity cases you collect.

With more than 25 years of experience, LabCorp is a trusted DNA testing laboratory for paternity testing. Sophisticated specimen logistics operations for secure, timely sample transportation. At LabCorp, we are committed to quality testing and the highest standards. We only perform DNA paternity tests in a manner and under circumstances that allow results to be used in courts of law.

Company Overview

Since 1981, LabCorp has been a preferred, trusted partner laboratory serving the child support enforcement community through our high-quality identity/paternity testing services. Our three decades long experience translates into the expertise and knowledge needed to evaluate your relationship cases from the simple case of mother, child, and alleged father, to the more complex case involving distant relationships. LabCorp has performed DNA tests in support of more than two (2) million cases and offers the scientific leadership for high quality results you can trust. Additionally, LabCorp's nationwide scale of operational efficiencies including our patient service centers, makes possible convenient and reliable DNA collections. Our extensive accreditations and certifications set us apart from other testing labs. We maintain and exceed standards set by regulators like AABB, as well as those set by various state and government agencies. LabCorp's mission is to simply provide you with genetic testing results you can trust.

Our Mission

LabCorp will be known for service and technology leadership and for the integrity of the information we provide. By exceeding customer expectations, we build the partnerships that create value for our shareholders and opportunities for our employees.

Professional Appearance

At LabCorp, we recognize that the specimen collector is one of the most important links between the client and the laboratory. Many times, the specimen collector is the only representative of LabCorp that the client will ever see. LabCorp strives to provide specimen collectors that are professional in their dress and demeanor and who are also courteous to our clients. It is recommended that you always present a professional image.

DO Dress Business Casual (Pants/Skirts/Blouses/Shirts w/collars)
DO Wear Scrubs with Clean Sneakers
DO Wear Photo ID Badges

Do Not Wear Jeans
Do Not Wear Open-toe Shoes
Do Not Wear Flip-Flops
Do Not Wear Shorts
Do Not Wear Halter or Midriff Tops
Do Not Wear Spandex or Tight-Fitting Clothing

DNA Collection Procedure

Client Authorization

1. Individuals being collected must provide documentation of positive identification (photographic identification card; e.g. driver's license, State ID, Military ID, or Passport) prior to the actual collection. If verification of identity cannot be obtained by photographic identification documents, the person collecting the specimen must obtain some other form of identification. For example: Identification or acceptance by a responsible person, such as a Child Support worker or Attorney.

2. Our collectors will record the case numbers and docket numbers in the appropriate fields. All parties that are part of this case are to have their names written in this section. In the "List All Parties" section write all parties names that will be collected for the case, whether they are present to be collected or not. See sample client authorization above.

3. The section labeled "Send additional result copies to:" should only be completed if the client whose name is preprinted on the Client Authorization/Chain of Custody Form has authorized LabCorp to send additional result copies.

4. Starting with the mother's name, complete all required information. If the mother is not being tested in the case, please indicate in the space provided for her name with the words, "Mother Not Tested, or MNT".

5. All individuals presenting themselves for specimen collection need to be listed on this form. If the person is not a mother, child or alleged father, put a line through one of the designations (typically the alleged father's space) and boldly write their actual relationship to the child (or disputed person), for example "paternal grandfather", "alleged full sibling", etc.

6. The mother and alleged father (or other person) must have the correct race/ethnic group defined. The Child will not have a race indicated but must have the sex defined. The race is important in determining which frequency table to use in calculating the results if the alleged father is not excluded. When listing the race/ethnic group try to be as specific as possible. Note that while popular, the term Hispanic refers to a linguistic group, not a race. Also, religions, such as Jewish, Catholic, etc, are also not races.

7. If a person is of mixed race, this information should be noted. For example, if the mother in the case has one parent that is Black and one that is Caucasian, circle mixed on the form and list ½ Black, ½ Caucasian.

8. The collector will indicate if the person has had a transfusion in the last 90 days. Also, indicate if the person has had a cell transplant (bone marrow, cord blood, etc.) at any time. This information is required by accreditation organizations and is important in interpreting the results.

9. The collector must obtain the birth date for all persons collected.

10. Other information such as addresses and social security numbers are not required by LabCorp, but may be required by the client. Do not collect social security numbers (SSN) unless specifically instructed to do so by the Commonwealth, and then only in the space provided.

11. **The signature of each person being collected is required**. The parent or person bringing the child in for collection will need to sign for the minor child.

Chain of Custody

1. A photograph of the person(s) collected must be taken. After photographing the person(s) they must print their name on the photo and date the photo. Then direct them to print, sign and date in the spaces beneath the photograph.

2. The mother and child may be photographed together. If the child is brought in by someone other than the child's mother or father, photograph the child without that person. Photograph the alleged father separately.

3. If a photograph cannot be taken, a clear photocopy of a government issued identification card is acceptable. If either of these cannot be accomplished, collect the thumbprints of the parties and document in the photo area that no photo could be taken nor could a photo copy be made.

4. Affix all photographs to the back of the form by using the adhesive or tape. Do not staple the photograph to the form.

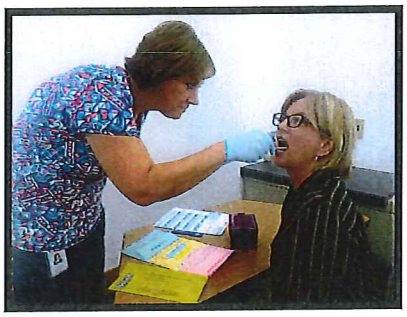
5. Collect a thumbprint in the space provided on the form.
   - Open thumbprint pad.
   - Press the right thumb on the pad gently.
   - Press the right thumb on the Chain of Custody in the space provided.

6. Fill in the date the specimen was collected. This is an important part of the chain of custody process and must be accurate.

Buccal Swab Collection

It is important to remember that gloves must be worn throughout the entire collection and packaging procedure. Always perform the collection procedures on one person at a time. Change gloves between each person collected.

1. The collector must clearly write the individual's name on the color-coded envelope. Have the individual sign their name on the signature line of the envelope. The parent or guardian will sign for the child.



2. The collector must fill in the collection date and initial the buccal swab envelope.

3. Choose the appropriate color-coded swab envelope and using the four (4) color-coded sterile swabs you will begin collecting each person's sample.

4. Collect one swab in each quadrant of the mouth: upper left, lower left, upper right and lower right. Remove the first swab from the packaging. Insert the swab in the mouth and place the swab against the cheek. Brush vigorously, but gently on the inside of the individual's cheek. Be sure the swab does not touch the lip when exiting the mouth.

5. As each swab is collected, insert it swab end up in the drying rack. After all 4 swabs are collected and sitting upright in the rack, allow them to air dry for at least one minute. To avoid contamination of the swabs do not allow the tips of the swabs to touch anything while they are drying.

6. Each label is color-coded and marked mother, child or alleged father. The name on the specimen label and on the specimen envelope must agree with the name as it is written on the Client Authorization form. Wrap the label around all four swabs on the sticks, not the swab end, folding and pressing the ends of the label together, making sure that the individual's name is clearly visible and the colors on the swabs and labels match.
    - Even though the color-coded envelopes are marked with the individuals' name, this label provides an additional measure of verification to ensure the swabs are properly identified and placed in the correct envelope.

7. Clearly and neatly print your name on the Specimen Collector line of the Chain of Custody Form. You should sign and date this section. If you are not the person collecting the samples the person collecting the samples should complete this information. Also, fill in the complete address of the location (collection site and telephone number) where you actually collected the samples.
    - If a witness is present other than the individual being collected, have the witness sign on the designated line. If no witness is present, leave this line blank.

8. The person packaging and sealing the kit should sign and date the form in the space indicated. They can be the same person who collected the samples. Both the Packager and Collector spaces must be filled out.

The person(s) signing that they collected and packaged the sample are initiating the chain of custody. This is an extremely important part of the process to establish paternity.

9. Before packaging and sealing, check that all required information is provided on both the front and back of the Client Authorization/Chain of Custody Form. Once completed, this form is packaged along with the samples for shipping to LabCorp.

NEVER leave collected samples unattended.

10. Completed, sealed buccal swab collection kits are to be shipped to the laboratory by the LabCorp courier system or by an overnight carrier, such as Federal Express. If shipping by an overnight carrier, place the collection kit in the overnight mailing package with the pre-printed air-bill provided by LabCorp.

11. If using a LabCorp logistics (courier), it is not necessary to package the kit in a Federal Express overnight package. Make sure all packages are in a secure location while awaiting transport.
Federal Express Toll Free Number: 1-800-GO-FEDEX (1-800-463-3339)

12. Blood samples can also be used for Paternity testing. LabCorp's skilled staff works diligently to provide prompt and professional service. LabCorp requires that all blood draws be performed by individuals who are registered phlebotomists. To schedule a blood draw, contact LabCorp DNA Identity Customer Service at 1-800-742-3944 opt. 3 to coordinate the collection at a conveniently located LabCorp Drawsite.

Inmate Collection

LabCorp will send you the materials you need to successfully collect and ship samples from inmates retained in federal, state, and county facilities. It is most imperative that you contact the prison or jail with the information provided to confirm the inmate's presence. By doing so, an appointment date for entry to the facility should be procured at that time.

Materials included

➢ Cover letter	Includes the name, address, and phone number for the facility. The name of the party with their demographics to assist with your appointment arrangement. Due to time sensitivity, contact our office if you experience a delay in the inmate's collection.
➢ Client Authorization (Chain-of-custody)	Auto-populated account and party information. Completing the front and the back of the form are required. Digital photos from the inmate's file are permissible. If no photo can be obtained, please call Paternity Customer Service at 1-800-742-3944 opt. 3.
➢ Court Order	Most facilities require an order or other document ordering testing (ie. Order signed by a judge, certified (sealed), administrative stipulation, or notarized letter signed by the inmate.
➢ Refusal	Must be signed by the inmate should he/she chooses not to submit to the collection. The officer present can sign witnessing the refusal. See Attachment 8.
➢ Collection kit	A color-coded kit for the collection of the respective party. Two swabs per cheek and labels to support the chain-of-custody. Envelopes for the party and you sign for sample verification.

Our Customer Service team is available to assist you at 800-742-3944 opt 3

Training Certification

At the request of LabCorp, the collector will be sent training materials either via email or mail. A kit will also be mailed that is an example of a successfully completed collection.

- Instructions for completing CA/COC form
- Paternity Swab Collection Procedures
- Example of completed CA/COC form
- Reminder to list ALL parties in case on the CA form
- Reminder to write "MNT" on the CA form if mother is not going to be tested
- Reminder to take photos of all parties being collected
- Example of certificate to complete if information is missing or not filled out correctly on CA form

After receiving the information, you are to contact your LabCorp Account Specialist at 1-800-742-3944, option 1, ext. 67512 to complete the training. At the request of Child Support we will provide in-person training at the DCSE offices.

At the end of training, a written quiz (see copy included) will be administered to ensure that you understand key points of the buccal swab collection procedure. Certificates such as the one included (and in the training kit you received) are distributed upon successful completion of the training and passing the quiz.

Please remember that as the specimen collector represent LabCorp, and as such you may be the only representative of LabCorp that the client will ever see. We appreciate your dedication and service.

If you have any questions about the procedures described in this manual, contact LabCorp's DNA Identification Testing Division at 1-800-We-DO-DNA or 1-800-742-3944.

Upon completion of training, a laminated Quick Reference Guide (QRG) will be provided detailing account specific requirements. ***See Page 17.***

Table of Attachments

Supplies

- Camera (either instant or digital)
- Film
- Batteries
- Buccal Swab
- Collection Kits
- Yellow Kit Bag
- Pre-paid air-bills
- Prepaid FedEx Airbill
- Grey Shipping Bag
- Gloves
- Drying Rack
- Thumbprint Pad

Supply Orders and Forms

You will need to complete the Paternity Supply Request Form when ordering collection supplies and CA/COC forms. Please refer to the Paternity Supply Request Form on the following page. For your convenience, you can fax the form to 336-436-7367. See Attachment 6.

Attachment 2

LabCorp
Laboratory Corporation of America

DNA Identity/Parentage Testing Services
1440 York Court Extension
Burlington, NC 27215-2200
1-800-742-3944
1-336-538-2200 - Fax

Paternity Buccal Swab Collection Review

Date: _____

Name: _____

1- Where must you list all parties in the case on the Client Authorization/Chain of Custody?

_____

2- Does LabCorp need the race of all parties collected?

_____

3- Is the address and contact number of the collection site required on the back of the Client Authorization/Chain of Custody? _____Yes _____No

4- Why does LabCorp need this information?

_____

5- How does LabCorp know that you are the collector and packager of these buccals?

_____

6- Must all party's names appear identical on all forms in addition to swab envelopes and flags?
_____Yes _____ No

7- How do you document a Mother Not Tested Case? Where do you document this information?
   a- No mother to be tested
   b- MNT (Mother Not Tested)
   c- No mother available

_____

8- What type of Account Identification numbers are you required to list on the Client Authorization/Chain of Custody?

_____

9- When collecting and packaging the buccal swabs, should you use the same color scheme for each party tested (example, pink for Mother, yellow for Child and blue for the Alleged Father)? ____Yes _____No

10- What type of information is required on each photograph?

_____

11- How quickly should you return a signed and notarized affidavit of collection?

_____

12- Can you submit a Client Authorization/Chain of Custody Form with only the father's name? _____ Yes _____ No

Attachment 3

CLIENT AUTHORIZATION

LabCorp
Laboratory Corporation of America

Amount Collected
AMOUNT ENCLOSED $ _____ INITIALS _____
AMOUNT RECEIVED $ _____ No cash or personal checks
CHECK # _____
INT. _____ INT. _____ HFP _____

X CODE _____

Account's Case #	Place X in Box		SEND ADDITIONAL RESULTS COPIES TO / SPECIAL INSTRUCTIONS:
Docket/Court #	SPECIMEN ON FILE	LABCORP CASE #	
Cause #			
List all Parties			
M _____			
C _____			
AF _____			ALL SHADED AREAS **MUST** BE COMPLETED!!

SPECIMEN#

Y__ L__ B__ C__

MOTHER

Last Name (PRINT) | First | MI

Address | City | State | Zip Code

DOB: | SS#: – –

Ethnicity (circle one): Caucasian Black American Indian (Tribe) _____ Puerto Rican Mexican American

Asian (Specify Country) _____ Other (Specify) _____ Mix (specify races and %): _____

Blood Transfusion in the past 90 days (circle one): Yes / No Have you ever in your life had a bone marrow/stem cell transplant (circle one): Yes / No

Mother's ID # & Type _____

SPECIMEN#

Y__ L__ B__ C__

CHILD

Last Name (PRINT) | First | MI

Address | City | State | Zip Code

DOB: | SEX | SS#: – –

Blood Transfusion in the past 90 days (circle one): Yes / No Have you ever in your life had a bone marrow/stem cell transplant (circle one): Yes / No

Child's ID # & Type _____

SPECIMEN#

Y__ L__ B__ C__

ALLEGED FATHER

Last Name (PRINT) | First | MI

Address | City | State | Zip Code

DOB: | SS#: – –

Ethnicity (circle one): Caucasian Black American Indian (Tribe) _____ Puerto Rican Mexican American

Asian (Specify Country) _____ Other (Specify) _____ Mix (specify races and %): _____

Blood Transfusion in the past 90 days (circle one): Yes / No Have you ever in your life had a bone marrow/stem cell transplant (circle one): Yes / No

Father's ID # & Type _____

_____

LabCorp
Laboratory Corporation of America

CHAIN OF CUSTODY

MOTHER'S / CHILD'S PHOTOGRAPH

LIFT HERE

TO ATTACH PHOTO TO FORM PLEASE REMOVE LINER FROM TAPE, AND APPLY PHOTO TO TAPE.

DO NOT PLACE PHOTO BELOW THIS LINE

I SUBMIT MYSELF FOR SAMPLE COLLECTION AND TESTING FOR PATERNITY EVALUATION.

Print Mother's Name: _____

Mother's Signature: _____ Date: _____

I SUBMIT THIS CHILD FOR SAMPLE COLLECTION AND TESTING FOR PATERNITY EVALUATION.

Print Child's Name: _____

Signature of Guardian or child Over 18: _____ Date: _____

ALLEGED FATHER'S PHOTOGRAPH

LIFT HERE

TO ATTACH PHOTO TO FORM PLEASE REMOVE LINER FROM TAPE, AND APPLY PHOTO TO TAPE.

DO NOT PLACE PHOTO BELOW THIS LINE

I SUBMIT MYSELF FOR SAMPLE COLLECTION AND TESTING FOR PATERNITY EVALUATION.

Print Alleged Father's Name: _____

Alleged Father's Signature: _____ Date: _____

MOTHER'S THUMB PRINT

CHILD'S THUMB PRINT

ALLEGED FATHER'S THUMB PRINT

I CERTIFY THAT I COLLECTED AND LABELED A SPECIMEN(S) FROM THE PERSON(S) IDENTIFIED HEREIN.

ADDRESS WHERE SPECIMEN(S) WERE COLLECTED.

_____

_____

_____

SPECIMEN COLLECTOR: _____

DATE: _____

SIGNATURE(S) _____

_____

WITNESS _____

_____

I HEREBY CERTIFY THAT I PACKAGED AND SEALED THE BOX. NO TAMPERING WITH THE SPECIMENS OCCURRED WHILE THE SPECIMENS WERE IN MY CONTROL. I AFFIRM, UNDER PENALTIES FOR PERJURY, THAT THE FOREGOING REPRESENTATION IS TRUE.

NAME OF PERSON PACKAGING SPECIMENS (PRINT): _____

SIGNATURE: _____

DATE: _____

LABCORP USE ONLY

SPECIMEN CONTAINER SEALED YES / NO

SIGNS OF TAMPERING YES / NO

I HEREBY CERTIFY THAT I RECEIVED THE SPECIMENS AT LABCORP AND THERE IS NO EVIDENCE THAT THE PACKAGE HAS BEEN OPENED. I AFFIRM, UNDER PENALTIES FOR PERJURY, THAT THE FOREGOING REPRESENTATION IS TRUE.

SIGNATURE: _____ DATE: _____

CIRCLE ONE: **FEDERAL EXPRESS** **LABCORP CARRIER** **USPS** **OTHER**

ID ACC-200A Rev. 12-08

Attachment 4

LabCorp
Laboratory Corporation of America

Specimen Collector Confidentiality Agreement

This Agreement is made and shall be effective the ____day of _____, 2___ by and between the Collector named below ("Collector") and Laboratory Corporation of America Holdings ("LabCorp").

WHEREAS, LabCorp and Collector have entered into a Contractor Specimen Collection Agreement whereby Collector agrees to provide collection services for parentage testing on behalf of LabCorp;

WHEREAS, while providing such collection services for LabCorp, Collector will be provided confidential patient information; and

WHEREAS, LabCorp desires and Collector agrees, for Collector to enter into this Specimen Collector Confidentiality Agreement for the purposes of Collector maintaining the confidentiality of such patient information.

NOW THEREFORE, Collector agrees to the following:

1) Confidentiality: Collector agrees and acknowledges that testing for disputed parentage involves the same guidelines as other types of human testing for maintaining patient confidentiality. Participation of a party in a paternity test creates information and results that are confidential information and must not be revealed to unauthorized persons. Collector acknowledges and agrees that Collector shall treat all information provided to Collector within Collector's role in collecting specimens on behalf of LabCorp as confidential patient information, and furthermore acknowledges and agrees to hold the information in the strictest confidence. Collector shall (a) use the confidential information solely for the purposes required in connection with Collector's providing collection services for LabCorp; and (b) Collector shall not disclose any confidential information to a third party, without the prior written consent of LabCorp.

2) Survival: The obligations set forth in this Agreement shall survive the expiration or termination of agreement or business relationship between Collector and LabCorp.

3) Expectations: LabCorp expects that Collector adhere to the following expectations, which is not an exhaustive list:

   *Collector cannot confirm or deny that an individual is being, or has been collected.

*Collector may not discuss any collection with a member of the press. Any collector who is contacted by any public official or news media representative must refer the individual to the LabCorp Public Policy and Communications Department for assistance.

*In the event that collection is requested on a party or parties known personally to the collector, it shall be brought to the attention of the Account Manager to discuss the conflict of interest and its resolution.

*The schedule of collections should be kept in a secure location and either shredded or mailed back to the laboratory with the specimens.

*If a prison inmate refuses collection, make certain the paperwork is mailed back to the laboratory.

*Collector shall keep a copy of the payroll sheets in a secure location.

Failure to adhere to the contents of the Confidentiality Agreement is a breach in confidentiality and may result in LabCorp taking legal action or other action afforded under law, including termination of the business relationship between Collector and LabCorp.

Collector: _____

Date: _____

LabCorp
DNA IDENTITY

LabCorp
Laboratory Corporation of America

is hereby granted to

_____

to certify that he/she has
completed the training for LabCorp 's buccal swab specimen collection
and chain of custody procedures for parentage/relationship/identity
testing.

Granted: January 31, 2011

_____

Teresa D. King, Account Specialist
DNA Identification Testing Division

Attachment 5

LabCorp
Laboratory Corporation of America

Must Receive By: _____

****** Please order 2 weeks in advance of need.******

PATERNITY SUPPLY REQUEST FORM

Fax To: 336-436-7367

Date: _____ Ship To:
*(**REQUIRED**)

Phone #: _____
*(**REQUIRED**)

Phone Order Received by:_____

Profit Center: _____ Attn: _____
***(REQUIRED)**

Forms:	***Qty.***
Client Authorization Forms (CA)*:	
Acct.#:	
Acct.#:	
Supply Request Forms	
Outside Service/Phlebotomy Forms	

Supply Item:	***Item #***	***# Qty.***
Buccal Swab Kits (50/Case)	46933	Case(s)
Fuji Camera	33768	Each
Fuji Film (20 pics per pack)	21090	Pack(s)
Batteries AA (For Fuji camera- 4/pack)	49483	Pack(s)
Small Gloves (Select Latex or Non- Latex)	(L)47886/(N)21439	Box(es)
Medium Gloves (Select Latex or Non- Latex)	(L)21433/(N)21416	Box(es)
Large Gloves (Select Latex or Non- Latex)	(L)47233/(N)21437	Box(es)
X-Large Gloves (Select Latex or Non- Latex)	(L)21435/(N)21417	Box(es)
Alcohol Wipes (200/bx)	23985	Box(es)
Thumbprint Pad *	**30974**	**Each**
Buccal Swab Dry Rack *	------	**Each**

NOTE: * Items may only be ordered/shipped from Labcorp's DNA Warehouse.

Shipping Supplies: **FedEx** **PRIORITY MAIL** ____ Billable (aka Air bill) _____ Bags
(CIRCLE ONE and INDICATE QUANTITY NEEDED)

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PATERNITY COLLECTOR'S
QUICK REFERENCE GUIDE (QRG)

Client Authorization Form (front page)
Areas to be completed:

- **Acct. Name/Address (required)**
- **Acct. Number (required)**
- Acct's Case No. (if applicable)
- Docket/Court # (if applicable)
- Cause # (if applicable)

List All Parties
List:

- **All parties names are required-regardless of who is being collected**
- **If the mom will not ever be tested, indicate "MNT" on the mom's line**

Info. Needed In Body Of Client Authorization Form
List:

- Party's name(s) of who is (are) being collected
- Party's dob and ethnicity
- If the child is being collected, also indicate the gender of the child.
- Also ask the blood transfusion and transplant questions of the parties being collected.
- Make sure to indicate what type of id is being presented if the mom and or alleged father is (are) being collected.
- If a guardian or foster care parent is signing for the child, make sure to obtain their id info.

Chain of Custody (back of client authorization form or 2nd page)
Areas to be completed:

- **Attach photo(s) of party(ies) collected to the applicable area of the chain of custody. Indicate the name(s) of the party(ies) depicted in the photo(s).**

- If the mom and or alleged father is (are) collected, have the collected party(ies) print and sign their name(s)/date in the applicable area of the chain of custody. **(Note: please insure the name(s) that is (are) signed matches the name(s) that are on the client authorization form. If they do not match, please verify with the party(ies) the correct spelling/line through with a pen the incorrect name(s)/write in the correct name and initial/date where the correction was made.)**
- Obtain thumbprint(s) of collected party(ies).
- **Indicate the drawsite information (where party(ies) was (were) collected).**
- **The collector signs and dates as collector and packager signs and dates as packager. (Note: please insure the date indicated by the party(ies) collected matches the collector's date.)**

Attachment 8

LabCorp
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Identity Testing Services
1440 York Court Ext.
Burlington, NC 27215
Phone: 1-800-742-3944, Option #3
Fax: 1-800-821-9102 / 336-538-2214

Inmate DOB:
Account Case Number:
Scheduling Number:

Paternity Collection Refusal Form

I,_____ refuse to consent to a paternity sample
(PRINTED NAME)
collection.

Signature_____ Date_____

I,_____hereby certify that the person named above
(PRINTED NAME)
appeared for sample collection and refused to be collected. I affirm, under penalties for perjury, that the foregoing representation is true.

Signature_____ Date_____

Please fax to Lab Corp at 1-800-821-9102 and attach this original refusal form to the Lab Corp Client Authorization Form and forward to:

Lab Corp
1440 York Court Ext
Burlington, NC 27215

DNA Identification Testing
1440 York Court Ext
Burlington, NC 27215
800-742-3944

LabCorp
Laboratory Corporation of America

AABB Accreditation

Laboratory Corporation of America Holdings

having been assessed by AABB, has been found to meet the requirements of applicable Standards of this organization and therefore is granted this

CERTIFICATE OF ACCREDITATION

for the following activities:

Relationship Testing Activities

In Witness whereof the undersigned, being duly authorized, have caused this Certificate to be issued and the AABB Corporate Seal to be affixed.

Effective Dates

Monday, July 01, 2013 - Tuesday, June 30, 2015

ADVANCING TRANSFUSION AND CELLULAR THERAPIES WORLDWIDE • AABB Est. 1947

Susan Kramer

President, AABB

Kathleen Houston

Chair, Accreditation Program Committee

LabCorp
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DNA Identification Testing Division
DNA Paternity Standard Operating Procedures

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