

**DETERMINATION AND FINDINGS  
FOR A  
SOLE SOURCE PROCUREMENT**

<b>CONTRACT NO: RQ765597</b>
<b>CAPTION: GeneMapper ID-X</b>
<b>PROPOSED CONTRACTOR: Life Technology Corporation</b>
<b>PROGRAM AGENCY: Metropolitan Police Department</b>
<b>AUTHORIZATION: D.C. Official Code §2-354.04, 27 DCMR 1304 and 1700</b>

**1. MINIMUM NEED:**

The MPD Crime Laboratory would like to purchase the Applied Biosystems GeneMapper ID-X data analysis software program for its use in forensic DNA testing result interpretation. This expert system data analysis software program is critical for enhancing daily laboratory operations and the quality of forensic services provided to the District of Columbia criminal justice system. The data analysis software is used in conjunction with the Applied Biosystems 3130x/ and 3500 Genetic Analyzers. At the present time, the MPD Crime Laboratory owns two (2) Applied Biosystems 3130x/ Genetic Analyzer and the associated GeneMapper software program. MPD Crime Laboratory has validated this analytical instrument and expert system data analysis software for forensic casework applications. GeneMapper ID-X is the next generation of the software program offering a DNA mixture interpretation application that simplifies DNA mixture interpretations by determining the number of contributors to a mixture and efficiently deduces the resulting possible genotypes. Applied Biosystems has discontinued the manufacturing of the 3130x/ Genetic Analyzer and has begun the manufacturing and distribution of the 3500 Genetic Analyzer, which is the next generation of the analytical instrument. MPD Crime Laboratory is in the process of procuring one (1) 3500 Genetic Analyzer and therefore needs to procure the accompanying expert system data analysis software program for DNA testing result interpretation. It is critical that MPD Crime Laboratory procures the software version 1.3 as it is supported by Windows 7, the computer operating system of the new Consolidated Forensic Laboratory.

**2. ESTIMATED REASONABLE PRICE: \$19,480.00**

**3. FACTS WHICH JUSTIFY SOLE SOURCE PROCUREMENT:**

A. Applied Biosystems is the manufacturer and sole distributor of the GeneMapper ID-X software.

**B. The Applied Biosystems GeneMapper ID-X software program is designed and validated for use in conjunction with the following Applied Biosystems instrumentation software and reagent kits: AB 7500 Real-Time PCR System, Quantifiler Duo Quantification kit, and AmpFISTR Identifiler PCR Amplification kit, and 3130x/3500 Genetic Analyzers.** The MPD Crime Laboratory currently uses the AB 7500 Real-Time PCR System, the AB3130x/ Genetic Analyzer,

Quantifiler Duo Quantification kit, AmpFISTR Identifiler PCR Amplification kit and the GeneMapper v3.2.1 data analysis software to perform DNA casework analysis. Due to MPD's significant investment in the aforementioned Applied Biosystems infrastructure, it is essential that MPD procure a compatible system.

**C. Compliance with the Federal Bureau of Investigation Laboratory's standards for DNA profiles upload into the National DNA Index System.** The solicitation mandates that laboratories must follow National DNA Index System (NDIS) DNA Data Acceptance Standards for all profiles uploaded to NDIS. There are only two vendors of approved STR typing kits that are currently approved by NDIS for DNA analysis: one is supported by Applied Biosystems and the other is supported by Promega. As stated in section B, this agency is utilizing Applied Biosystems kits and instruments which include the 7500 Real-Time PCR System and the 3130xl Genetic Analyzer. Applied Biosystems has developed protocols for the automated robotic system that have been validated in accordance with national DNA quality assurance standards. Therefore, to be purchased under this project, the only product that can be used to facilitate project goals is the next generation of the expert system data analysis software program, the Applied Biosystems GeneMapper ID-X. If these NDIS standards are not met and maintained by the Metropolitan Police Department, the Federal Bureau of Investigation Laboratory will prohibit the Government of the District of Columbia, Metropolitan Police Department, from NDIS participation.

**D. Declaration.** The proposed expenditures with Applied Biosystems are in the best interest of our agency, because they will allow us to meet project and program objectives. If this purchase is not allowed, not only would the objective of the project not be met, but significant negative impacts would occur in project metrics. This expert system data analysis software program is critical for enhancing daily laboratory operations and enhancing the quality of forensic services provided to the District of Columbia criminal justice system. Specifically, this expert system data analysis software program will increase productivity by facilitating with DNA data interpretation, especially with DNA mixture interpretation which is labor and time intensive and will limit the potential for human error.

#### 4. CERTIFICATION BY AGENCY HEAD

I hereby certify that the above findings are true, correct and complete.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Director, [Insert Agency]

#### 5. CERTIFICATION BY CONTRACTING OFFICER

I have reviewed the above findings and certify that they are sufficient to justify the use of the sole source method of procurement under the cited authority. I certify that the notice of intent to award a sole source contract was published in accordance with Section 404(c) of the District of Columbia Procurement Practices Reform Act of 2010 (D.C. Official Code §2-354.04) and that [no response was received] [the response received was rejected because \_\_\_\_\_]. I recommend that the Chief Procurement Officer approve the use of the sole source procurement method for this proposed contract.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contracting Officer

### **DETERMINATION**

Based on the above findings and in accordance with the cited authority, I hereby determine that it is not feasible or practical to invoke the competitive solicitation process under either Section 402 or 403 of the District of Columbia Procurement Practices Reform Act of 2010 (D.C. Law 18-371; D.C. Official Code § 2-354.02 or 2-354.03). Accordingly, I determine that the District is justified in using the sole source method of procurement.

\_\_\_\_\_  
Date

\_\_\_\_\_  
James D. Staton, Jr.  
Chief Procurement Officer