

Mississippi Forensic Laboratory  
 Notice of Proposed Sole Source Purchase  
 Sole source # 3150003295

The Mississippi Forensic Laboratory (MSFL) is seeking to purchase Thermo Fisher: Life Technologies Rapid HIT ID as defined in the state law.

**1. Description of the commodity or commodities the MSFL is seeking to procure:**

**Make and Model:** Thermo Fisher: Life Technologies Rapid HIT ID

**Description:** The Applied Biosystems Rapid HIT ID System is a fast and simple-to-use instrument that produces trusted lab-quality forensic DNA profiles in 90 minutes.

SKU	Description	Qty	List Price	Net Price
A41810	AB RAPID HIT ID System	1	\$158,100	\$144,685
A41813	AB RLINK SW V1.0 1L1C	1	\$10,300	\$0
A41831	AB RHID ACE GFE 50 SMPL KIT EACH AB RAPIDHIT ID ACE Global Flier Express 50 Sample cartridge kit contains 50 sample cartridges, 2 positive control cartridges. Contents to be stored refrigerated (4c to 10c)	1	\$6,120	\$4,508
A41841	AB RHID PRIMARYCTRG GFE 100 EA	1	\$5,800	\$4,995
A48503	RAPIDLINK LAPTOP SYSTEM CARTON This includes laptop and power cords	1	\$2,545	\$2,290.50
ZG11SCR HID	AB Assurance, 1PM, RAPIDHIT ID EA	1	\$15,000	\$12,000
HPS10603	RAPID Performance Check	1	\$31,080	\$0
	Shipping & Handling			\$343
	Total		\$199,075	\$170,031.50

Optional items:

A41816	AB RLINK SW V1.0 SED APP	1	\$5,180	\$4,403
A41817	AB RLINK SW V1.0 KIN APP	1	\$5,180	\$4,403
A41819	AB RLINK SW V1.0 FAM APP	2	\$5,180	\$4,403

**2. Explanation of why the commodity is the only one that can meet the needs of the Agency:**

The RapidHIT ID runs Globalfiler Express chemistry that is unique to Thermo Fisher Scientific and which produces data that is identical to what the Mississippi Forensics Lab currently employs.

The RapidHIT ID System offers new ways to work together in the effort to solve crime. Partners in forensics, law enforcement, and public safety can benefit from Rapid DNA results in many applications. The RapidHIT ID system and Rapid LINK software are designed to provide faster results and greater efficiency than ever before.

Labs can process urgent samples more efficiently and enable personnel with limited DNA experience. The RapidHIT ID System generates results compatible with established DNA databases, offers a compact design and NDIS-approved Applied Biosystems™ GlobalFiler™ Express chemistry and combines multiple workflows into a single step. Failure to purchase the system will impact the processing of DNA samples in the state of Mississippi.

The Applied Biosystems ACE GlobalFiler Express and RapidINTEL Sample Cartridges contain all necessary reagents for sample preparation, including Applied Biosystems GlobalFiler Express chemistry. The Mississippi lab utilizes the Globalfiler chemistry in their current workflow. This is the only system that would not integrate with the current technology, chemistry and workflow at the Mississippi Forensics Laboratory.

The Applied Biosystems RapidHIT ID System integrates sample preparation and capillary electrophoresis to generate short tandem repeat (STR) based DNA profiles that are aggregated within Applied Biosystems RapidLINK Software for direct upload to the database of choice or for further review and analysis. The RapidHIT ID System delivers the reliable, reproducible, high-quality data we have come to expect from the Applied Biosystems brand.

### **3. Explanation of why the source is the only person or entity that can provide the required commodity:**

There is a patent on the RapidHIT ID. There are no manufacturers or authorized distributors in the United States. The RapidHIT ID has the ability to run one sample at a time. No other companies make similar commodities. Rapid HIT ID is the only machine with the ability to run one sample or multiple samples at the same cost per sample. This feature offers a great amount of flexibility, and allows the user to respond to rush needs more quickly instead of waiting for the other samples to run along with the one rush sample to optimize cost/sample. Can be used with networked software to allow multiple systems at different locations to be monitored by user(s) at a central terminal. Can be supplied with software allowing administrative users to control the instrument remotely and securely review results. Samples processed can be successfully recovered from the processed sample cartridge. Has a small footprint with height of 48cm, length of 53cm and width of 27cm. Designed for use with self-contained, easy to use ACE and INTEL sample cartridge Formats. Designed for use with the primary cartridge; a reagent cartridge that contains the necessary reagents and consumables for capillary electrophoresis for 150 sample runs. Has a weight of 25.4kg without the primary cartridge and 28.4kg with the primary cartridge. Built with a solid-state long-life laser. Has multiple built-in options for control of instrument access: facial recognition camera, fingerprint reader, and

PIN/password access. Includes automatic calibration of consumables, saving users time and maintenance costs. Has built in refrigeration for primary cartridge gel, enabling up to 6 months of primary cartridge on-instrument time. Has 6-dye detection capability. Generates a full DNA profile in as little time as 90 minutes. For DNA sizing for fragments in the resolution range 60 to 460 bp; for a given allele, the system is designed to perform with a standard deviation of less than 0.15 bp. Has single base pair resolution.

The RapidHIT ID can run one sample at the same cost per sample as running multiple samples.

**4. Explanation of why the amount to be expended for the commodity is reasonable:**

**Estimated Cost:** \$170,031.50

Amount is within the expected price range of this items being requested. Currently, multiple instruments are required to perform the same processes that one RapidHIT ID performs. The total cost of these instruments combined is in excess of the cost of one RapidHIT ID

These products are sold direct, and are available exclusively from Thermo Fisher: Life Technologies. Thermo Fisher: Life Technologies is the exclusive distributor of all related consumables used in conjunction with the RapidHIT ID.

**5. Efforts the Agency went through to obtain the best possible price for the commodity:**

MS Department of Public Safety (MDPS) has leveraged its long-standing relationship with Thermo Fisher: Life Technologies who gives an 85% of the list price. The price has been established by the discount provided by the company. MSFL is not paying the list for the commodities.

\*Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity should submit a written notice to:

Betsy Toles or Sonya Toaster  
Procurement Department  
4<sup>th</sup> Floor, Room 402  
1900 East Woodrow Wilson Avenue  
Jackson, MS 39216

The notice should contain a detailed explanation of why the commodity is not a sole source procurement, as well as, but not limited to the following information:

**Interested Party Information**

- Contact Name, Phone Number, and email address

- Company Website URL, if applicable

#### Objection to Sole Source Justification

- Interested parties must present specific objections to the Sole Source certification, including, but not limited to the following:
  - a) A description of the commodity or commodities that Interested Party believes is comparable to the Thermo Fisher: Life Technologies RAPIDHIT ID.
  - b) An explanation of why Interested Party's commodity or commodities can also meet the needs of the agency; and
  - c) A list of sources from which Interested Party's commodity may be procured.
- If Interested Party claims that the Thermo Fisher: Life Technologies RAPIDHIT ID is available from a source other than Thermo Fisher: Life Technologies, the objection must contain a written statement from Thermo Fisher: Life Technologies that the Interested Party is an authorized distributor or reseller of the Thermo Fisher: Life Technologies RAPIDHIT ID.

This information should be provided no later than December 23, 2020 at 5:00 pm local time. Response may be delivered by hand, via regular mail or overnight delivery.

If after a review of the submitted notice and documents, MSFL determines that the commodity in the proposed sole-source request can be provided by another person or entity, then MSFL will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity or commodities to an advertised competitive bid process.

If MSFL determines after the review that there is only one (1) source for the required commodity or commodities, then MSFL will appeal to the Public Procurement Review Board (PPRB). MSFL will have the burden of proving that the commodity or commodities is only provided by one (1) source.