



RapidHIT™ 200

HUMAN IDENTIFICATION SYSTEM

DNA Identification Is a Force Multiplier

The use of DNA evidence has changed law enforcement not just for evidence collection but for investigative lead production. Findings from NIJ-funded DNA evidence research¹ and cooperative public-private technology integration field trials² have been unequivocal: DNA identification, combined with management of STR-based databases, is a rapid and effective tool for solving crimes and acting as a force multiplier.

Now There Is a Fast Track for High-Priority Samples

Typical forensic DNA sample processing, from DNA swab submission to CODIS-format profile, presently requires weeks or months, even for agencies served by top forensics laboratories. The turnaround time interval for sample processing is significantly determined by the complexity of laboratory analysis instruments required to analyze DNA and the relative scarcity of scientists qualified to operate them.

Designed by IntegenX, the RapidHIT™ 200 System incorporates microscale liquid management and manufacturing technologies developed for high-speed research and commercial DNA analysis applications. The RapidHIT 200 System is a mobile, self-contained, and automated human identification laboratory that is particularly well suited for analyzing samples from cases in which the many weeks for DNA turnaround is too long to wait, such as:

- Politically high-profile cases
- Violent crime presumptive evidence
- Missing persons identification
- Disaster recovery
- Immigration and border control



Swab - buccal and other

Send to lab same day or end of week

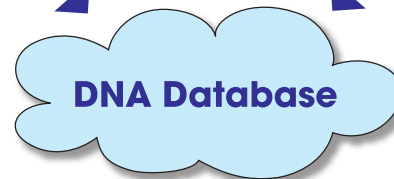
Immediate or same day



Lab analysis Results - 30 to 180 days



Immediate analysis Results - under 90 min



Database query and report



Hit report available

¹ The DNA Field Experiment. NCJRS Document No. NCJ 222318

² LODIS, a New Investigative Tool. *The Police Chief*, vol. LXXV, no. 4, April 2008

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Any operator can easily use the RapidHIT 200 with minimal training. The system is run with the push of a button.



Sample cartridges are loaded by simply placing them into the cartridge slot.



From one to eight swabs are placed into the RapidHIT 200.



Features

- Sample processing in less than 90 minutes, outside of the standard laboratory environment
- Disposable cartridges contain all reagents and waste
- Profile formats compatible with most internationally used DNA databases
- Straightforward, easy, unattended operation

Specifications

- Sample Input: swabs - buccal, blood, and other human samples
- Sample Capacity: 1 to 8 swabs, depending on control requirements
- Runtime: <90 minutes
- Dimensions: 28" W x 18" H x 27" D
- Weight: 180 lbs
- Power: 100 - 240 VAC, 50/60 Hz, 1,000 VA



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