



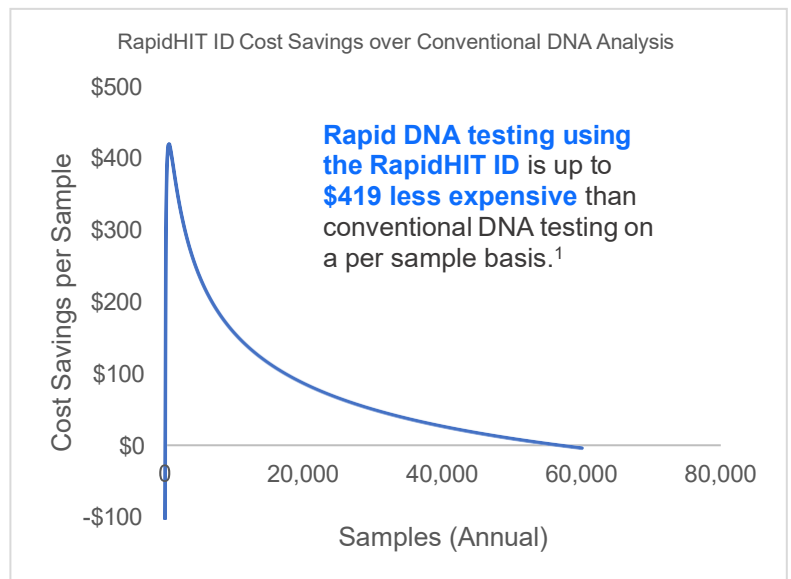
Maximize Crime-Solving with Rapid DNA: Complementary approaches to DNA processing save time *and* money

DNA analysis has provided major investigative breakthroughs in hundreds of thousands of cases globally. Recently, an increasing number of law enforcement agencies and crime laboratories are turning to Rapid DNA to obtain actionable DNA intelligence much earlier in an investigation. The ability to obtain a DNA profile in less than two hours can be a game changer, enabling rapid identification of perpetrators and victims, as well as elimination of the innocent.

Project FORESIGHT gathered and analyzed workflow metrics and financial data from hundreds of forensic laboratories around the world and published their findings in respected academic journals. Applying the same methodology in comparing the cost of Rapid DNA testing using Thermo Fisher Scientific's RapidHIT ID System versus conventional methods, their analyses revealed that **per sample, the RapidHIT ID is up to \$419 less expensive than conventional DNA testing.**¹

The analysis considered all-inclusive costs demonstrating that the RapidHIT ID can dramatically reduce time to results and costs, but also delivers opportunity costs savings and benefits, such as:

- **Simple operation** enabling non-technical personnel to process samples.
- **Timely and reliable** investigative leads at outset of an investigation.
- **Expanded DNA testing** capabilities to investigate more common, non-violent offenses.
- **Increased DNA database hits** to lower recidivism and crime rates.



¹ Rapid DNA analysis using the RapidHIT ID System is less expensive than conventional DNA processing when analyzing 183 to 57,249 samples per year. The cost savings analysis was specific to the RapidHIT ID System from Thermo Fisher Scientific and included all-inclusive costs: capital, personnel, consumables, and overhead expenditures – but does not include the opportunity costs savings and benefits from shorter turnaround time, reduced recidivism, and crimes not committed.

To read the full report [Economic Comparison of the Relative Costs and Efficiency of Using the Thermo Fisher Scientific RapidHIT™ ID System Versus Traditional DNA Analysis](https://business.wvu.edu/research-outreach/forensic-business-studies/foresight) or go to <https://business.wvu.edu/research-outreach/forensic-business-studies/foresight>

Questions regarding this report or other matters pertaining to Project FORESIGHT should be directed to the Principal Investigator Paul Speaker foresightsubmissions@gmail.com and Max Houck mhouck@fiu.edu with the Global Forensic Justice Center at FIU.



Project FORESIGHT is a business-guided self-evaluation of forensic science laboratories across the globe. The participating laboratories represent local, regional, state, and national agencies. Faculty from the WVU John Chambers College of Business and Economics analyze the data from forensic crime laboratories from around the world to identify trends across laboratories and performance of individual laboratories. The mission of Project FORESIGHT is to measure, preserve what works, and change what does not. For more information on Project FORESIGHT, visit the Project web site at <https://business.wvu.edu/research-outreach/forensic-business-studies/foresight>



Global Forensic Justice Center at Florida International University is a collaborative endeavor at FIU demonstrating extraordinary success in providing unique learning opportunities, pioneering research and engagement. Founded in 2018, with more than two decades of experience to engage the forensic science and criminal justice industries from the crime scene to the courtroom. Their purpose is equitable justice through science, scholarship, and service. For more information on the Global Forensic Justice Center at Florida International University go to <https://gffc.fiu.edu/>