



Welcome to our relaunched human identification (HID) newsletter

HID spotlights



Welcome to Forensic News. We're excited to relaunch our newsletter and share with you relevant news pertaining to forensic science and advances in technology that can benefit your laboratory. It's an exciting time to be in the field of forensic DNA analysis, with the introduction of next-generation sequencing (NGS), the growth of DNA databases across the globe, and the implementation of expanded CODIS core loci in the US. Thank you for your continuing partnership.

Our company mission is enabling our customers to make the world healthier, cleaner, and safer. Our human identification team strives to create products that meet the highest quality standards in the industry to address your specific needs and enable your success, from capillary electrophoresis (CE) to NGS, and from our Applied Biosystems™ Identifier™ and GlobalFiler™ kits to our Applied Biosystems™ Precision ID NGS System for human identification.

As a partner, your feedback is critical to us and we want you to know that we're listening and acting on it. We've provided a link below in the newsletter so you can easily connect with us and share your thoughts. Thank you again for giving us the opportunity to serve you.

—Rosy Lee, Vice President & General Manager, Human Identification Business, Thermo Fisher Scientific

Meet the NGS team

The human identification team for NGS applications, with collective experience of 125 years serving the forensic community, has developed NGS panels and software that are forensically relevant and reliable. In collaboration with our colleagues in Ion Torrent™ sequencing instrumentation, we've developed easy-to-use tools that enable the simplest targeted sequencing workflow for your casework implementation.

Pictured: Hee Shin Kim, Sharon Wootton, Chien Wei Chang, Srinivas Goll, Angie Lackey, Narasimhan Rajagopalan, Prasad Kalghatgi, Sharada Vijayachandrar, Sheri Olson, Matt Gabriel, Ravi Gupta, Joe Chang, and Jie Deng. Not pictured: Rob Lagace, Makesh Karpagavinayagam, and Ryo Hasegawa.



How are we doing? We'd love to hear from you.

[Please leave your feedback here >](#)

Forensic community



Opinions
Dr. Antonio Alonso, DNA expert at the National Institute of Toxicology and Forensic Sciences, Madrid (Spain), shares how an 18-year-old sexual assault case was resolved using Y-STR analysis.

[Watch the video >](#)



ISO 18385 Forensic DNA Grade is here

Have you heard about ISO 18385? It's a new manufacturing standard that benefits you and your lab. ISO 18385 compliance is designed to minimize the risk of human DNA contamination in products used to collect, store, and analyze biological material for forensic purposes. These requirements were published in February 2016, and set a global standard for the manufacture of pre-PCR products used in forensic DNA analysis. This standard aims to facilitate the reduction of situations where inadvertent human DNA contamination compromises a forensic investigation. ISO 18385 facilitates compliance with global regulations by setting the framework for maintaining effective manufacturing processes specific to product design, safety, and distribution.

As forensic labs are using increasingly more sensitive methods of analysis and identifying amounts of DNA that were previously undetectable, manufacturers of products used in pre-PCR workflows need to ensure that the materials they supply meet the evolving needs of their customers.

We're proud to announce that as of February 1, 2016, our Warrington, UK manufacturing facilities are ISO 18385-compliant. We have a long history as a manufacturer of forensic DNA testing kits, and many of the practices advocated in ISO 18385 were based on our own manufacturing processes.

[Learn more about our commitment to providing quality forensic solutions >](#)



Forensic Focus: back to bases

Ever had to perform a reinsertion after a run on your CE platform? Wondered how much DNA was in your extract and how to tell if your estimate was accurate? Been stuck on how to create an analysis method in Applied Biosystems™ GeneMapper™ ID-X Software? You're not alone. We often get questions like this, and many others. That's why we're presenting our new educational video series that provides bite-sized answers to questions about a variety of forensic DNA analysis topics. We kick off the new series with our first video: "How to create an analysis method with the GeneMapper ID-X Software."

[Watch the video >](#)

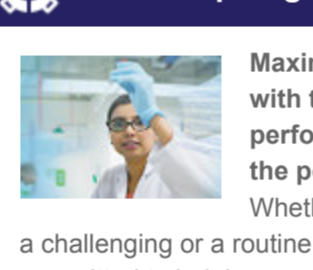


Policy forum

New database programs are on the rise, but much needs to be done globally for criminal offender databases to reach their full potential. In the last twelve months, a number of countries have been actively positioning to begin criminal offender DNA database programs. In addition to the countries moving forward with legislative implementation, there are a number of other countries that are working to advance legislation in this area for the first time. While the growth of new DNA database programs is on the rise, much more needs to be done to make the existing 54 national DNA programs more effective.

[Read the full article here >](#)

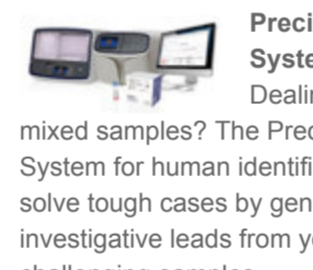
Product spotlights



Maximize your results with the proven performance of CE and the power of NGS

Whether you're analyzing a challenging or a routine sample, we're committed to helping you get more answers from your samples with our integrated CE and NGS forensic workflow solutions.

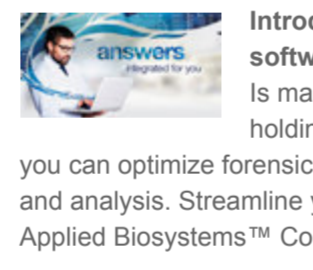
[Learn more >](#)



Precision ID NGS System

Dealing with degraded or mixed samples? The Precision ID NGS System for human identification can help you solve tough cases by generating more investigative leads from your challenging samples.

[Find out more >](#)



Introducing Converge software

Is manual data processing holding you back? Now you can optimize forensic data management and analysis. Streamline your workflow with Applied Biosystems™ Converge software.

[Learn more >](#)

[Request a demo >](#)



GlobalFiler kit application

A recent degradation study was conducted by UNT Health Science Center, comprised of 15 bone samples including specimens dating back to the late 19th century. The bone sample extracts were analyzed using Applied Biosystems™ GlobalFiler™ chemistry and a competitive STR chemistry. Overall, samples processed using the GlobalFiler kit showed better allele recovery than results from the competitor chemistry, which exhibited more allele drop-out.

[Learn more about the study results >](#)

GlobalFiler kit tech notes

Some laboratories require alternative workflows to meet specific needs. In response, we've published data on these alternative workflows—for example, direct amplification on reference samples, and alternative cycle numbers.

[See tech notes >](#)

[View updated user guide >](#)

Events and training

Australian and New Zealand Forensic Science Society (ANZFBSS)

September 18–23, 2016

Auckland, New Zealand

Visit us at booth #28–32

[Learn more >](#)

International Symposium on Human Identification (ISHI)

September 28–29, 2016

Minneapolis, MN

Visit us at booth #412

[Learn more >](#)

Specialized forensic DNA training courses on request

Get training on HID casework workflows using GeneMapper ID-X Software, Applied Biosystems™ 3500 Series Genetic Analyzers, the Applied Biosystems™ Quantifiler™ Trio DNA Quantification Kit, HID real-time PCR software, and more.

[Find out more >](#)

[Download brochure >](#)

HID University training courses

"Future trends in forensic DNA technology" seminar series—get hands-on experience at multiple sites in North America through November:

Date	Location
September 13	Washington, DC
October 18	Columbus, OH
October 26	Los Angeles, CA
November 3	Atlanta, GA

[Find out more >](#)

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