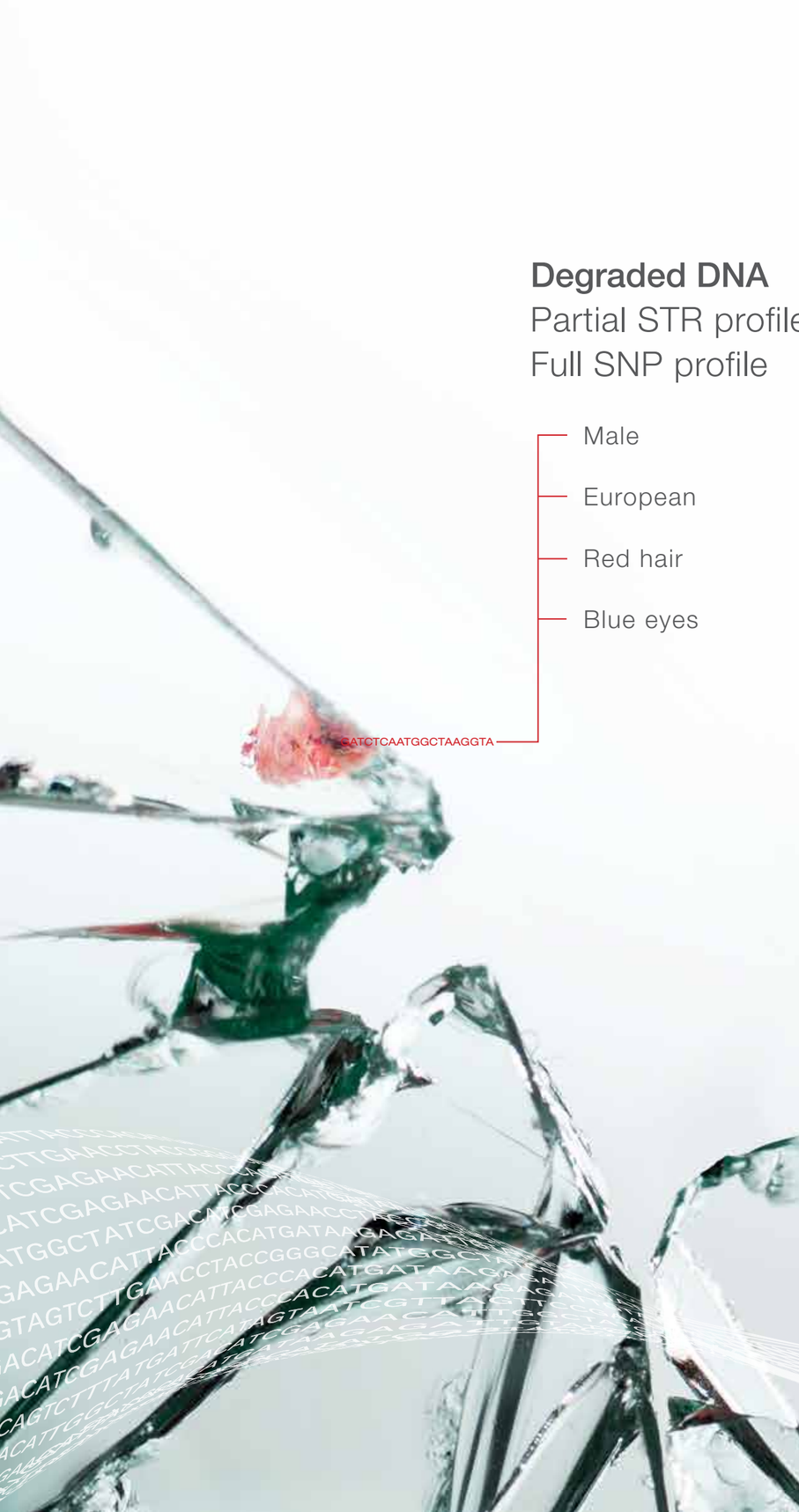
illumina®

Breakthrough resolution.

The MiSeq FGx™ System: More conclusive forensic results. One unified workflow.



See a more detailed picture emerge.

Focused power. Deeper insights.

Advances in genomics have made possible more conclusive results in forensic testing. Illumina targeted next-generation sequencing (NGS) technology and customized informatics deliver more insights from forensic DNA than past methods, with much higher resolution than ever before. Find the answers you need efficiently, with more certainty, by harnessing the focused power of the MiSeq FGx Forensic Genomics System.

More definitive results.

Hundreds of STRs and SNPs.
One interrogation.

In forensic genomics laboratories worldwide, challenging DNA samples require multiple interrogations to extract a full set of data. If the attempts are unsuccessful, samples are often set aside as partial, inconclusive results.

Illumina sequencing by synthesis (SBS) technology on the MiSeq FGx Forensic Genomics System analyzes global short tandem repeats (STRs). It also addresses nearly 200 forensically relevant single nucleotide polymorphisms (SNPs)—all from samples ≤1 ng.

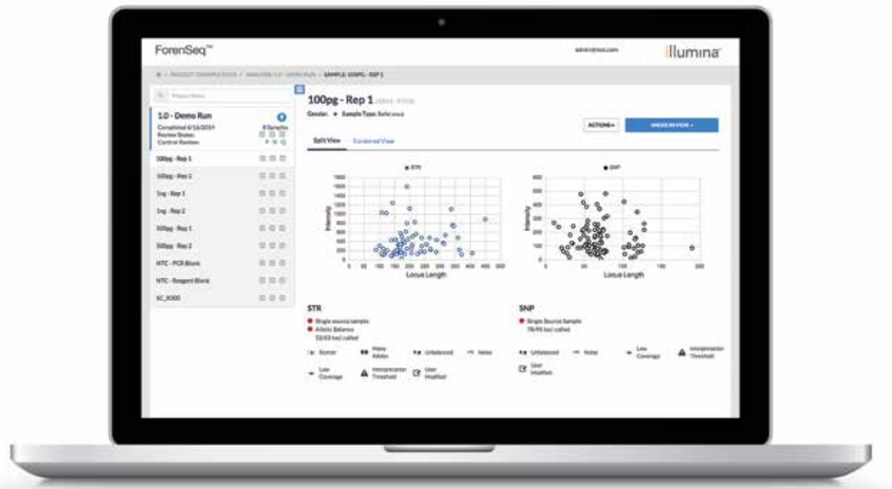
Prepare targeted library	Sequence	Analyze forensic data
• ForenSeq™ DNA Signature Prep Kit	• MiSeq FGx Instrument	• ForenSeq Universal Analysis Software

Streamlined process.

Intuitive platform. Increased efficiency.

The MiSeq FGx System workflow is easy to use, automated, and fast.

- Compact, all-in-one interface incorporates cluster generation, fluidics, and SBS chemistry.
- Intuitive touchscreen simplifies instrument operation.
- Plug-and-play reagents with RFID tracking increase speed and convenience.
- Pre-installed offline forensic software eases data analysis and interpretation.



The first and only validated kit including STRs and SNPs.

Global autosomal STRs

Global Y-STRs

Identity SNPs

Phenotypic SNPs

Biogeographic ancestry SNPs

X-STRs

One complete solution.

Samples to results. Simpler.

The MiSeq FGx System is part of a fully integrated, validated targeted NGS system with dedicated library preparation kits and sample-to-results software designed specifically for forensic genomics. Choose from pre-installed ForenSeq or research workflows. Generate investigative leads when there's no known suspect, and no database hit.

Industry-leading solutions.

A community of support.

From library prep, arrays, and sequencing to informatics, Illumina genomic solutions empower researchers and clinical researchers across the globe to find the answers they seek.

When you join the Illumina community, you become part of a dynamic scientific movement that includes thousands of researchers and industry thought leaders. Throughout the year, we host user group meetings, symposia, consortia, online forums, and other initiatives—all designed to bring the best minds together to share ideas and advance science.

In addition to on-site training, ongoing support, and phone consults, we offer webinars and courses at various Illumina locations. We're here with all the resources you need to accelerate progress.

Solve more cases with the MiSeq FGx System.
Contact your Illumina representative to learn more or visit **www.illumina.com/miseq_fgx.**

A global genomics leader, Illumina provides complete next-generation sequencing workflow solutions to the basic and translational research communities. Illumina technology is responsible for generating more than 90% of the world's sequencing data.* Through collaborative innovation, Illumina is fueling groundbreaking advancements in the fields of oncology, reproductive health, genetic disease, microbiology, agriculture, and forensic science.

*Data calculations on file. Illumina, Inc., 2015.

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