

# A new horizon of human identification possibilities





## Seek answers, not profiles

Over the last 30 years, DNA profiling has revolutionized forensic science, but the basic concept of matching a profile with a suspect remains unchanged. When a direct match isn't available – how can you move your investigation forward? Next-generation sequencing (NGS) gives you the power to actively drive forensic casework, missing persons investigations, and all other aspects of human identification (HID) by providing you so much more than just basic DNA profiles. Sequence-level STR genotyping enables more powerful discrimination between individuals. Estimating externally visible characteristics such as eye color and hair color can assist no-suspect cases. Leveraging extended family references can resolve missing persons cases when direct relatives are not available. Therefore, QIAGEN® and Verogen® are partnering to bring you the most comprehensive portfolio of superior tools and the dedicated support you need to make more impactful identifications.

One QIAGEN–Verogen NGS workflow. Infinite capabilities.

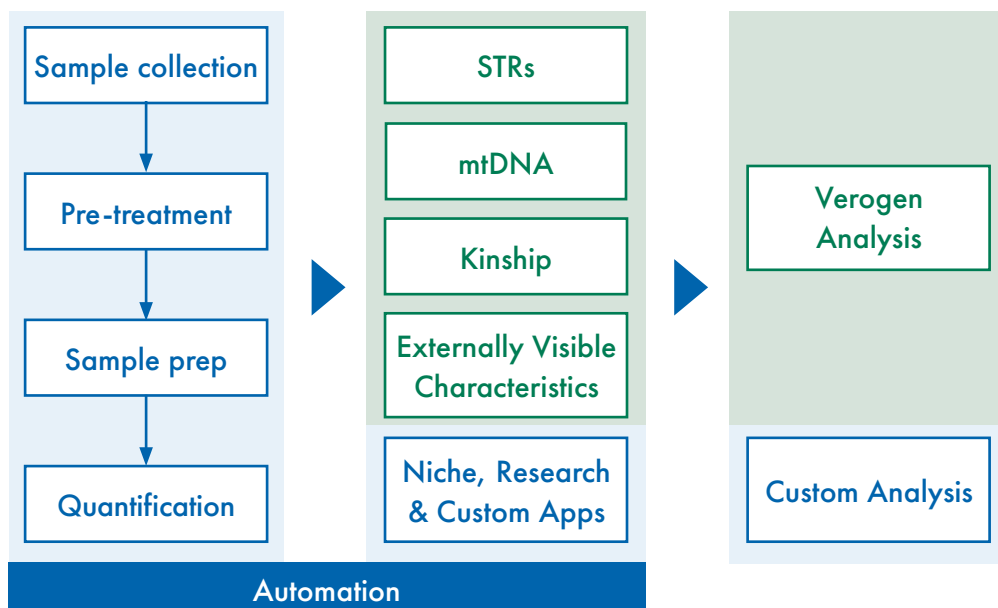


Figure 1: QIAGEN–Verogen NGS workflow from sample collection at the crime scene to complete operational sequencing workflows for a comprehensive range of human identification capabilities

## From crime scene to courtroom

Now you can optimize every stage of your DNA investigation process. By combining QIAGEN's respected sample collection, preparation, and quantitation tools with operationally-ready NGS solutions from Verogen, you'll know you've done everything to get the most out of your DNA samples (See Figure 1). And with the support of our highly trained technical scientists, you'll feel confident at every step.

QIAGEN–Verogen workflow offering

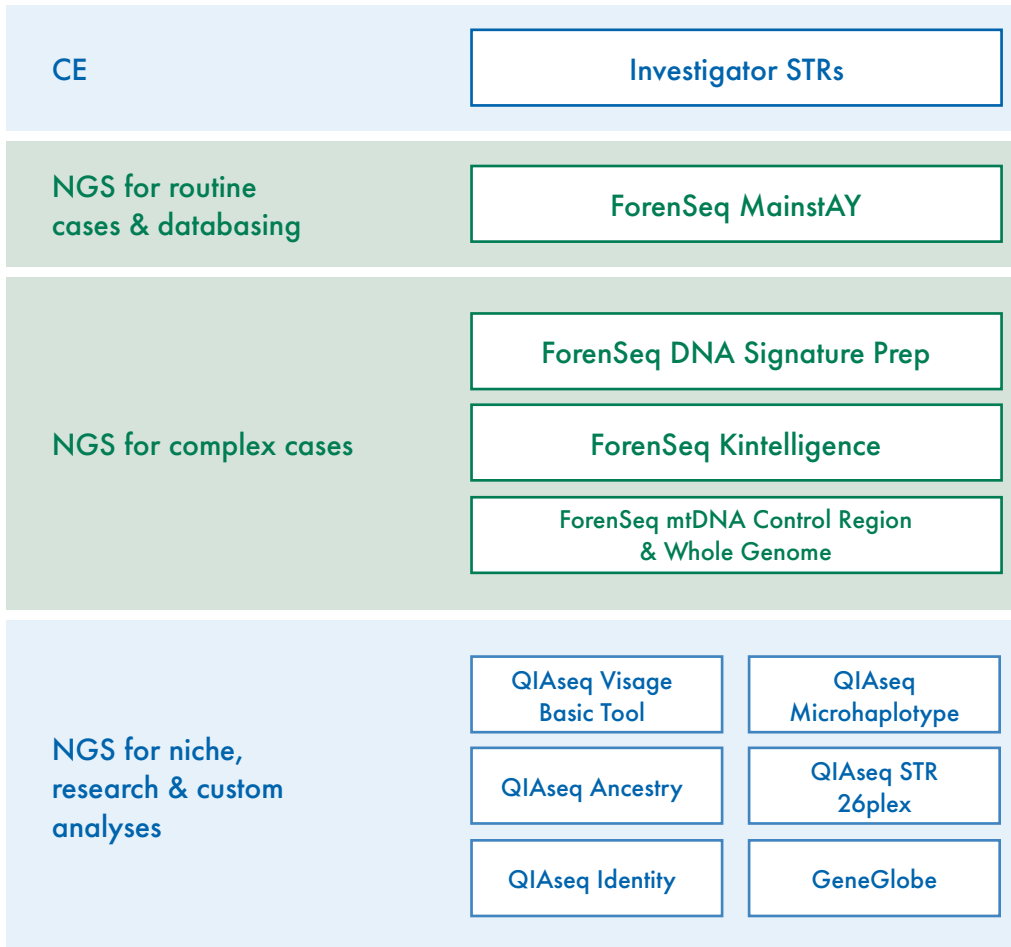


Figure 2: Comprehensive, tailored solutions whatever your HID application need – routine or complex analyses, kinship or casework, research or operations.

## Tailored solutions for every case

Whether you are working in forensic casework, kinship, or research, QIAGEN and Verogen are here to support you. The Verogen portfolio of ForenSeq products offers a wide range of NGS-based capabilities, empowering you with tools to advance your routine and complex casework. The QIAseq portfolio provides the perfect complement, with kits designed for niche HID applications and flexibility to drive your research to the next level. From crime scene to courtroom, CE to NGS, the QIAGEN and Verogen portfolios offer a solution tailored for you (See Figure 2).

➔ Visit <https://www.qiagen.com/applications/human-identity-and-forensics>

## Ordering Information

Product	Contents	Cat. no.	Reactions
MiSeq FGx Sequencing System	High-quality single and paired-end sequencing of forensic and RUO samples	15048975	-
Universal Analysis Software (UAS)	Comprehensive analysis suite for forensic applications.	V16000084	-
MiSeq FGx Reagent Micro kit	Supports paired-end reads for small batch sizes	20021681	-
ForenSeq DNA Signature Prep Kit	A fixed content panel covering autosomal, Y-STRs, X-STRs, and identify, phenotypic and ancestry SNPs. Kit contains primers, enzymes, buffers and beads for library construction	V16000023	96
ForenSeq mtDNA Control Region Kit	A fixed content panel designed covering all ~1KB of the mitochondrial control region. Kit contains primers, enzymes, buffers and beads for library construction	V16000085	48
ForenSeq mtDNA Whole Genome Kit	A fixed content panel covering all ~16KB and 37 genes of the mitochondrial genome. Kit contains primers, enzymes, buffers and beads for library construction	V16000086	48
ForenSeq Kintelligence Kit	A fixed content panel targeting 10,230 SNPs for long-range kinship analysis. Kit contains primers, enzymes, buffers and beads for library construction	V16000120	12
ForenSeq MainstAY Kit	A fixed content panel covering 27 autosomal, 25 Y-STRs and amelogenin. Kit contains primers, enzymes, buffers and beads for library construction	16000142	96
QIAseq HID Targeted DNA Panel	A fixed panel with all reagents (except indexes) for targeted DNA sequencing	Coming soon	
QIAseq Targeted DNA Custom Panel	A custom panel with all reagents (except indexes) for targeted DNA sequencing	333525	96
CLC Genomics Workbench, Desktop Plus	1-year subscription for a static license to use the software on a single computer; includes maintenance, upgrade and service	832021	-
CLC Custom Solutions, days	Professional services	832580	-

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