

ID STARlet

Next generation of automated genetic identity sample processing

using Life Technologies Human Identification (HID) kits



- ▶ Integrated system for DNA isolation, quantification, normalization and STR profiling
- ▶ On-site verification by Life Technologies
- ▶ Full sample traceability
- ▶ Optimized automated protocols

HAMILTON

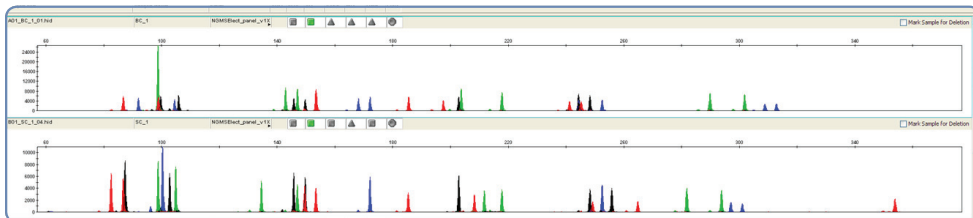
Discover the possibilities

Verified and validated kits

- ▶ DNA isolation using the ABI PrepFiler® Forensic DNA Extraction Kit
- ▶ Quantification using the ABI Quantifiler® and Quantifiler® Duo DNA Quantification Kit
- ▶ Normalization and STR reaction setup to achieve reliable profiling using any number of high quality Life Technologies AmpFℓSTR® (short tandem repeat) typing kits.

Fully tested automated DNA protocols

- ▶ PrepFiler - Purifies DNA from nearly any type of casework or reference sample in either tube or plate format – saving hours of DNA preparation time.
- ▶ Quantifiler/Quantifiler Duo: simplifies real-time quantitative PCR (qPCR) assay setup to rapidly determine sample suitability for forensic DNA STR typing.
- ▶ Carries out automation of complex normalization and STR setup procedures over a widely varying (10,000 + fold) DNA concentration range. You may choose from one or more of the many available ABI STR typing kits (e.g., Identifiler® Plus). This ensures successful downstream STR typing analysis.



Genetic profile from two different sample types

Verification by Life Technologies

- ▶ On-site biological verification by Life Technologies professional services
- ▶ Verification report is generated using mock sample sets to guarantee instrument and reagents performance
- ▶ Laboratory internal validation time reduced

Easy to use software packages

- ▶ Each method group is independent
- ▶ The user is guided through the method setup by a detailed graphical user interface
- ▶ The methods allow a direct interface with the input or output files from ABI/Life Technologies instruments to facilitate the process.
- ▶ Worklist viewer and normalization interface simplifies the whole process

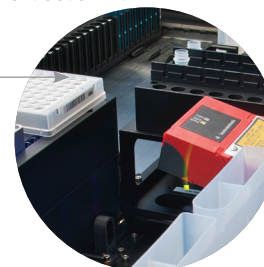
Proven robotic technology

- ▶ Complete sample tracking with the Autoload option: the Autoload option reads barcodes of sample tubes, microplates and carriers, verifies correct labware positions and loads carriers automatically to the system for greater method security.
- ▶ Minimize contamination risk with the unique CO-RE technology: the CO-RE system attaches disposable tips to the pipetting channels with a stable lock-and-key fit. The system requires no vertical force for tip attachment or tip ejection - no aerosols.
- ▶ MAD: by monitoring the air-based pipetting action, the instrument detects clots or empty wells during the aspiration step in real time.

applied
biosystems®
by life technologies™



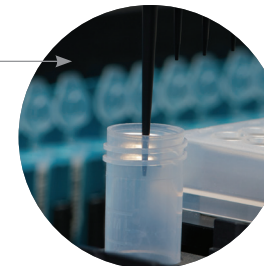
PrepFiler™ forensic DNA extraction kit



Automatic barcode reading with Autoload



Easy to use graphical user interface



Precise pipetting with unique CO-RE technology

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