**GeneMarker® HID: DEVELOPMENT AND VALIDATION OF A NEW SOFTWARE TOOL FOR THE ANALYSIS OF STR DATA**

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**User Friendly Interface**

Significantly decreases analysis time by using a “smart” software interface approach to eliminate the need for constant intervention by the forensic DNA analyst; e.g., quickly scroll through data in different formats and rescale RFU values in different samples, loci and dye panels automatically.

**User-Definable Parameters and Tools**

GeneMarker HID allows the user to define specific parameters such as minimum and maximum RFU thresholds, stutter filters, and quality assessment thresholds. In addition, tools have been designed to remove the need to perform routine tasks (e.g., assessing the GS500 250 bp ILS peak).

**Accurate, Quality Assessment of STR Data**

Side-by-side comparison of analyzed data from single source, mixed and LCN samples using GeneMarker HID and another commonly used software package was conducted to support the validation of GeneMarker HID as a reliable software package for forensic STR analysis.

**Adaptable Printing and Reporting Features**

GeneMarker HID will print electropherograms and analysis reports in bulk for all or selected samples. Analysis results can be sorted and manipulated to meet report requirements and saved as a text file for input into a LIMS or other database system (including CODIS exportable files).

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