

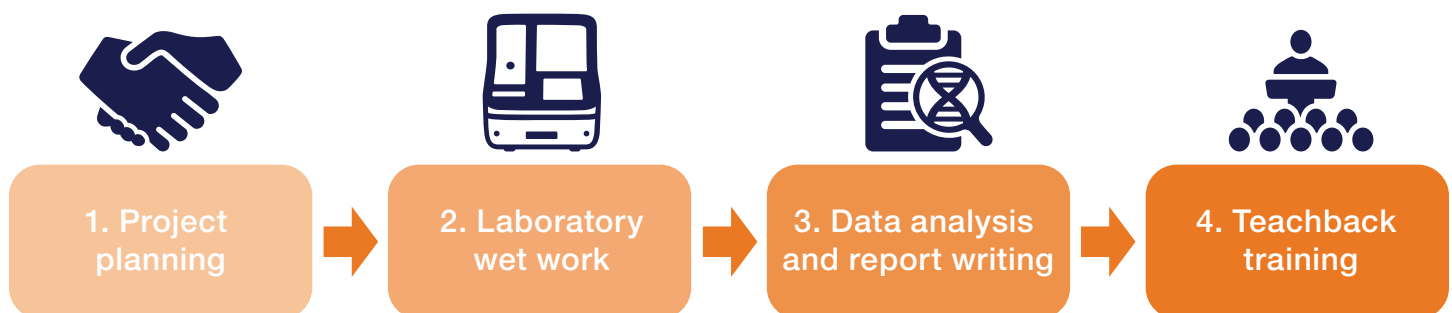
Human identification

HPS standard validation packages for SeqStudio Flex Genetic Analyzers for human identification



The Thermo Fisher Scientific Human Identification Professional Services (HPS) team provides comprehensive validation, training, and implementation services for human identification applications. The dedicated HPS global team combines extensive technical product knowledge with vast experience in forensic DNA validations. These validations are critical when implementing new instruments into a forensic DNA workflow; they demonstrate that the laboratory's procedures are reliable, reproducible, and robust within the given environment. Promotional packages for Applied Biosystems™ SeqStudio™ Flex Genetic Analyzers include an HPS standard validation, which follows a predetermined project design for casework or databasing workflows.

HPS validation services are executed with technical excellence in a predictable timeline using the following process:





1. Project planning

The project plan included with the standard validation service uses HPS stock DNA and up to 20 customer samples amplified with one Applied Biosystems™ short tandem repeat (STR) amplification kit. The STR data are analyzed with Applied Biosystems™ GeneMapper™ *ID-X* Software v1.7. The validation experimental design develops the dataset used to complete the following validation studies:

- Minimum threshold and contamination
- Sensitivity and stochastic
- Precision
- Accuracy
- Known and/or nonprobative samples
- Mixtures (casework only)
- Artifacts summary



2. Laboratory wet work

This service includes all the necessary reagents and consumables to complete the validation testing. HPS scientists perform the laboratory wet work at your site, allowing you to focus your resources on continued casework or databasing demands.



3. Data analysis and report writing

Following sample processing, the HPS team analyzes the resulting data for each validation study. The analyzed data are detailed in a report that a technical project manager thoroughly reviews for accuracy. The final report demonstrates the performance of the SeqStudio Flex system in your laboratory.



4. Teachback training

After you have the opportunity to review the validation data and report, the HPS team delivers a teachback training. The teachback includes individualized, validation-specific results and is presented in a virtual, in-person, or blended hybrid format. It may also include an in-person laboratory demonstration with the SeqStudio Flex system.

Ordering information

Description	Package includes	Cat. No.
SeqStudio 8 Flex Genetic Analyzer, Casework	SeqStudio 8 Flex Genetic Analyzer, GeneMapper <i>ID-X</i> Software v1.7 Full, HPS standard casework validation, AB Assurance plan with 1 included preventive maintenance (PM), and field application scientist (FAS) training	A58063
SeqStudio 8 Flex Genetic Analyzer, Database	SeqStudio 8 Flex Genetic Analyzer, GeneMapper <i>ID-X</i> Software v1.7 Full, HPS standard database validation, AB Assurance plan with 1 included PM, and FAS training	A58064
SeqStudio 24 Flex Genetic Analyzer, Casework	SeqStudio 24 Flex Genetic Analyzer, GeneMapper <i>ID-X</i> Software v1.7 Full, HPS standard casework validation, AB Assurance plan with 1 included PM, and FAS training	A59250
SeqStudio 24 Flex Genetic Analyzer, Database	SeqStudio 24 Flex Genetic Analyzer, GeneMapper <i>ID-X</i> Software v1.7 Full, HPS standard database validation, AB Assurance plan with 1 included PM, and FAS training	A59255

Learn more at thermofisher.com/hid-seqstudioflex

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