Applied Biosystems
an Applera Corporation Business

850 Lincoln Centre Drive
Foster City, CA 94404 U.S.A.
T 650.570.6667
F 650.572.2743
www.appliedbiosystems.com

Validation of the Applied Biosystems 7500 Real-Time PCR System with v1.2.3 Software

Applied Biosystems scientists have conducted experiments following the guidance provided by the DAB/SWGDAM to validate the Applied Biosystems 7500 Real-Time PCR System with v1.2.3 software ("7500 System") for use in forensic applications using the Quantifiler Human and Quantifiler Y kits. We are pleased to let you know that the Applied Biosystems 7500 Real-Time PCR System equipped with v1.2.3 software is now validated for use in forensic sample testing pursuant to these guidelines using the Quantifiler kits. We conducted experiments, reviewed data, and determined that the 7500 Real-Time PCR System provides results that are robust, reliable, reproducible and provide accurate results when used in conjunction with the Quantifiler™ Human and Quantifiler™ Y kits for the analysis of genomic DNA samples.

Experimental data supports that the 7500 system with v1.2.3 software provides consistent performance when compared to the ABI PRISM® 7000 Sequence Detection System previously validated for forensic applications. Therefore, the 7500 system can be sold to Human Identification customers at this time. Further guidance for specific operating conditions will follow.

Please utilize the following part numbers when ordering the 7500 system.

4366604	HID, 7500 System with Tower
4366605	HID, 7500 System with Laptop

The HID 7500 Systems ship with the following items included:

a) p/n 4366956 HID Chemical Install Kit containing a Quantifiler Kit, an RNaseP Instrument Verfication Plate and Spectral Calibrations Kits
b) p/n 4366924 SDS v1.2.3 software for HID 7500
c) p/n 4344790 Quantifiler Kit Users Manual

Please note that customers should perform their own internal validations to establish that the Applied Biosystems 7500 Real-Time PCR System with v1.2.3 software is appropriate and fit for their forensic use.