

## **APPLIED BIOSYSTEMS VERIFILER PLUS KIT –CONFIDENT ANSWERS IN CHALLENGING SAMPLES**

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The Applied Biosystems™ VeriFiler™ Plus PCR Amplification Kit has been developed to meet challenging forensic casework needs globally. It is a companion kit to the Applied Biosystems™ VeriFiler™ Express PCR Amplification Kit for databasing. Powered by a six-dye short tandem repeat (STR) chemistry and an improved master mix formulation, this kit is specifically designed for challenging sample types—touch, degraded, or inhibited samples with improved sensitivity and enhanced robustness against inhibition. With a total of 25 loci-23 autosomal STRs, including Penta D and Penta E, and 2 gender discrimination markers, the VeriFiler Plus kit also includes an internal quality control (IQC) system. The IQC system verifies PCR amplification and identifies the presence of inhibitors in the sample to enable distinction between degraded and inhibited samples. The VeriFiler Plus and VeriFiler Express kits are approved for use by laboratories generating DNA profiles for inclusion in the US National DNA Index System (NDIS) CODIS database.

### **VeriFiler Plus is a high quality autosomal STR kit for casework**

- Includes expanded CODIS markers + Penta D, Penta E and D6S1043
- Identical marker set to VeriFiler Express kit for databasing
- Optimized for use with touch, inhibited, and degraded samples
- Contains an Internal Quality Control (IQC) system
  - Positive control for PCR
  - Can distinguish between sample inhibition and sample degradation
- Direct amplification of single-source reference samples using the VeriFiler Plus kit is also supported to enable laboratories to process all sample types with one amplification kit.