

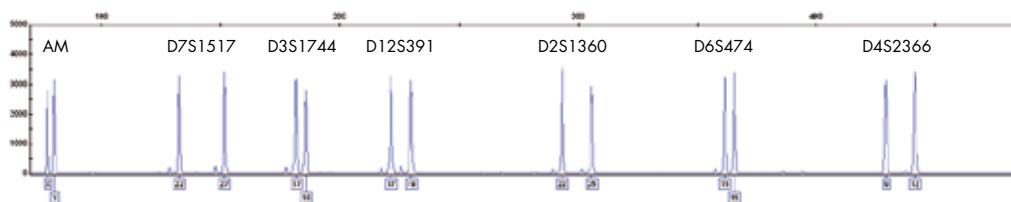
Technical Information

Investigator[®] HDplex Kit

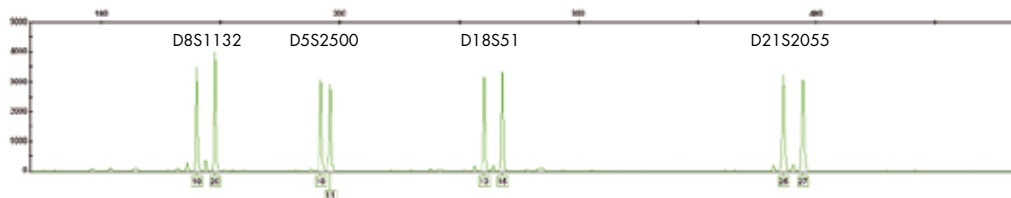
The Investigator HDplex Kit is a multiplex application for human identification based on highly polymorphic STR markers, most of which are not included in commonly used marker standards. The STR loci included in the kit enable the reliable differentiation of forensic samples derived from related individuals and afford heightened discriminatory power in these demanding cases. The 13 markers are amplified simultaneously in a single multiplex PCR.

- Developed for difficult forensic, immigration, and paternity cases
- Alignment markers enable sample confirmation
- Highest sensitivity and discriminatory power for kinship analyses
- Reliable differentiation of forensic samples from related individuals

6-FAM™



BTG



BTY



Electropherogram of the Investigator HDplex Kit. Analysis was performed on an ABI PRISM[®] 3130 Genetic Analyzer using 500 pg Control DNA XY5. Allele assignment was performed using the GeneMapper[®] ID Software and the Investigator HDplex Template File.

Technical specifications

Volume per PCR reaction	25 µl
Matrix	BT5
Fluorescence labels	6-FAM, BTG, BTY, BTO
Genetic Analyzers	ABI PRISM 310, ABI PRISM 3100/3100-Avant, Applied Biosystems® 3130/3130xl, or Applied Biosystems 3500/3500xl Genetic Analyzer

Dyes

Dye	Markers
6-FAM	Amelogenin D7S1517 D3S1744 D12S391 D2S1360 D6S474 D4S2366
BTG	D8S1132 D5S2500 D18S51 D21S2055
BTY	D10S2325 SE33

Ordering Information

Product	Contents	Cat. no.
Investigator HDplex Kit (100)*	Primer mix, reaction mix, DNA Polymerase, Control DNA, allelic ladder HDplex, DNA size standard 550 (BTO), and nuclease-free water	381215
Matrix Standard BT5 single cap. (5 x 25)	Matrix standard 6-FAM, BTG, BTY, BTR, and BTO	386113
Matrix Standard BT5 multi cap. (25)	Matrix standard 6-FAM, BTG, BTY, BTR, and BTO	386123
Matrix Standard BT5 multi cap. (50)	Matrix standard 6-FAM, BTG, BTY, BTR, and BTO	386125

* Not available in all countries.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Visit www.qiagen.com/InvestigatorIDKits.

ISO 18385 compliant, see www.qiagen.com/forensicgrade.

Trademarks: QIAGEN®, Sample to Insight®, Investigator® (QIAGEN Group); ABI PRISM®, Applied Biosystems®, FAM™, GeneMapper® (Thermo Fisher Scientific Inc.).
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