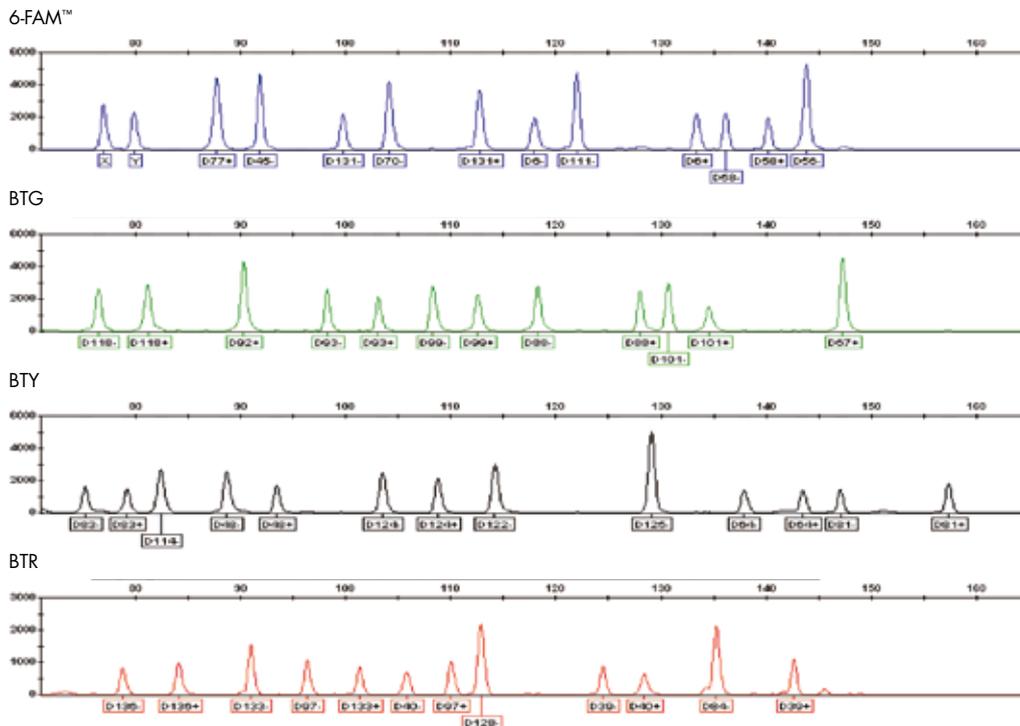


Technical Information

Investigator[®] DIPplex Kit

The Investigator DIPplex Kit enables the amplification of 30 biallelic deletion/insertion polymorphism (DIP or INDEL) loci (distributed over 19 autosomes) plus Amelogenin. Highly suited for the generation of DNA profiles from forensic stains, hair, and bone samples, the kit was designed as an alternative to STR- and SNP-based human identification. Carefully selected markers and formulated chemistry give the same sensitivity as standard STR kits for human identity testing, but with some significant advantages, such as the absence of stutter peaks and the very short amplicons.

- Unique kit featuring alternative markers for human identification
- Superior analysis of degraded DNA, thanks to the amplicon length of just ~160 bp (suitable for disaster victim identification and anthropological studies)
- Easy interpretation of results with dedicated DIPSorter Freeware



Electropherogram from the Investigator DIPplex Kit. Analysis was performed on an Applied Biosystems[®] 3130 Genetic Analyzer using 200 pg Control DNA XY5. Allele assignment was performed using the GeneMapper[®] ID Software and the Investigator DIPplex Template File.

Technical specifications

Volume per PCR reaction	25 µl
Matrix	BT5
Fluorescence labels	6-FAM, BTG, BTY, BTR, 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	HLD77	HLD45	HLD131	HLD70	HLD6	HLD111	HLD58	HLD56
BTG		HLD118	HLD92	HLD93	HLD99	HLD88	HLD101	HLD67	
BTG		HLD83	HLD114	HLD48	HLD124	HLD122	HLD125	HLD64	HLD81
BTY		HLD136	HLD133	HLD97	HLD40	HLD128	HLD39	HLD84	

Ordering Information

Product	Contents	Cat. no.
Investigator DIPplex Kit (100)	Primer mix, reaction mix, DNA Polymerase, Control DNA, allelic ladder DIPplex, DNA size standard 550 (BTO), and nuclease-free water	384015
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

The Investigator DIPplex Kit is intended for molecular biology applications in human identity testing. This product is not intended for the diagnosis, prevention, or treatment of a disease.

USA and Canada: not for use in, or in preparation for, legal proceedings, including parentage determination.

Visit www.qiagen.com/DIPplex.

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

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