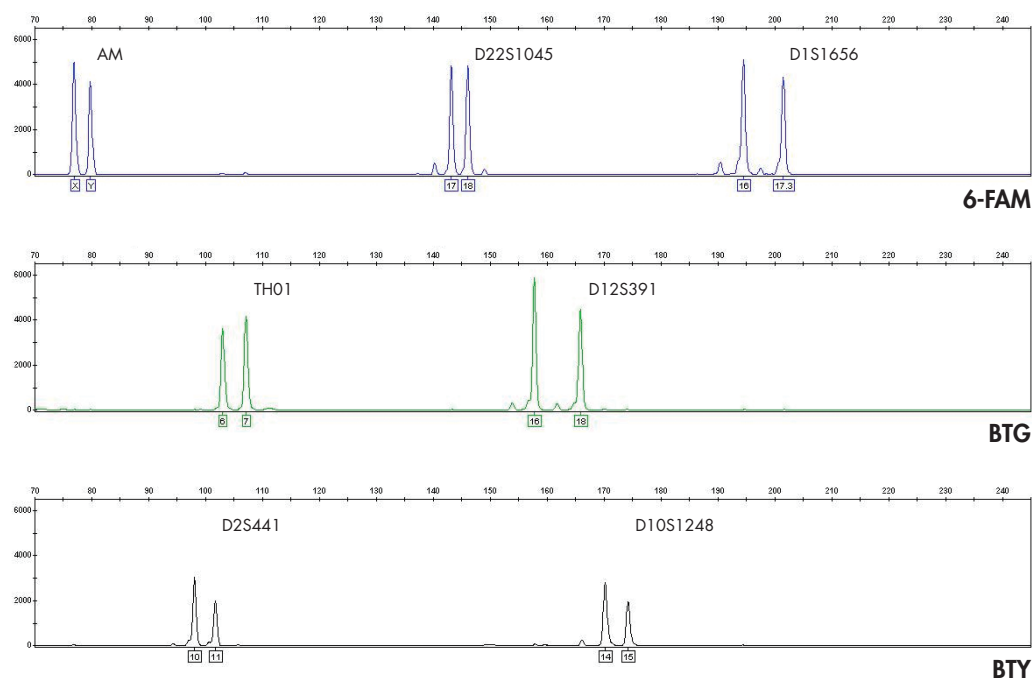


Investigator™ Hexaplex ESS Kit

The Investigator Hexaplex ESS Kit amplifies the 5 new European miniSTRs, low-molecular-weight markers that generate successful DNA profiles from highly degraded DNA samples. Therefore, the Investigator Hexaplex ESS Kit is highly suited for forensic stain analysis, pre-screening strategies, and follow-up analysis of already genotyped samples.

This kit complements the second generation multiplex plus (SGM Plus) set of loci, or a CODIS set including D2S1338 and D19S433, to complete the full European Standard Set (ESS). The marker TH01 serves as a consistency marker to kits covering other marker standards and prevents sample confusion. The loci-specific primer set of the miniSTRs differs from that used in the Investigator ESSplex and ESSplex SE Kits and, therefore, allelic dropout due to mutations at the primer binding site can be identified and false database exclusions can be prevented.

- Amplification of the 5 new European miniSTR loci, TH01, and Amelogenin
- Highly sensitive and inhibitor resistant
- No overlapping allelic ranges within a panel
- Highly suited for degraded DNA samples
- Genetic analyzer calibrated using BT5 Matrix



Electropherogram of the Investigator Hexaplex ESS Kit using 250 pg Control DNA XY13. Analysis was performed on an ABI PRISM® 3130 Genetic Analyzer. Allele assignment was performed using the GeneMapper® ID Software and the Investigator Hexaplex ESS Template File.



Technical specifications

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

Dyes

Dye	Markers		
6-FAM	Amelogenin	D22S1045	DIS1656
BTG	TH01	D12S391	
BTY	D2S441	D10S1248	

Ordering Information

Product	Contents	Cat. no.
Investigator Hexaplex ESS Kit (100)*	Primer mix, reaction mix, DNA Polymerase, Control DNA XY13, allelic ladder Hexaplex ESS, DNA size standard 550 (BTO), and nuclease-free water	380615
Investigator Hexaplex ESS Kit (400)*	Primer mix, reaction mix, DNA Polymerase, Control DNA XY13, allelic ladder Hexaplex ESS, DNA size standard 550 (BTO), and nuclease-free water	380617
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

* Distributed worldwide, except in Australia, Canada, South Korea, and the USA.

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.

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