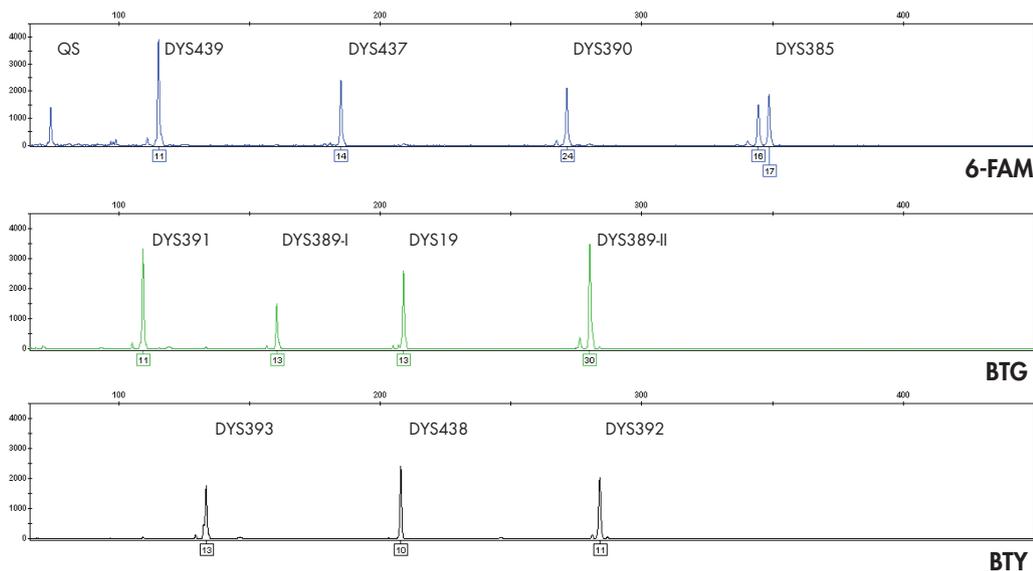


## Investigator™ Argus Y-12 QS Kit

The Investigator Argus Y-12 QS Kit enables the simultaneous amplification of 12 Y-chromosomal markers from the “extended minimal haplotype”, as recommended by the Scientific Working Group of DNA Analysis Methods (SWGDM). Furthermore, the kit was developed to generate male DNA profiles from DNA mixtures with male-to-female ratios of up to 1:4000. The kit supplements the Investigator Argus X-12 Kit for paternity testing and includes an internal PCR control (Quality Sensor “QS”) that provides information regarding PCR efficiency and the presence of PCR inhibitors in the samples.

- Highly suited for forensic casework samples involving male profiles in DNA mixtures
- Well suited for kinship, lineage, and paternity testing, as well as population genetics
- Does not require isolation of sperm
- Sensitive and inhibitor resistant, with no overlapping allelic ranges within a panel
- Genetic analyzer calibrated with BT5 Matrix



**Electropherogram of the Investigator Argus Y-12 QS Kit.** Analysis was performed on an ABI PRISM® 3130 Genetic Analyzer using 350 pg Control DNA XY1. The Quality Sensor (QS) is shown at 74 bp. Allele assignment was performed using the GeneMapper® ID Software and the Investigator Argus Y-12 QS 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	DYS439	DYS437	DYS390	DYS385
BTG	DYS391	DYS389-I	DYS19	DYS389-II
BTY	DYS393	DYS438	DYS392	

## Ordering Information

Product	Contents	Cat. no.
Investigator Argus Y-12 QS Kit (100)*	Primer mix, reaction mix, DNA Polymerase, Control DNA XY1, allelic ladder Argus Y-12 QS, DNA size standard 550 (BTO), and nuclease-free water	383615
Investigator Argus Y-12 QS Kit (400)*	Primer mix, reaction mix, DNA Polymerase, Control DNA XY1, allelic ladder Argus Y-12 QS, DNA size standard 550 (BTO), and nuclease-free water	383617
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](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

Visit [www.qiagen.com/InvestigatorIDKits](http://www.qiagen.com/InvestigatorIDKits).

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