

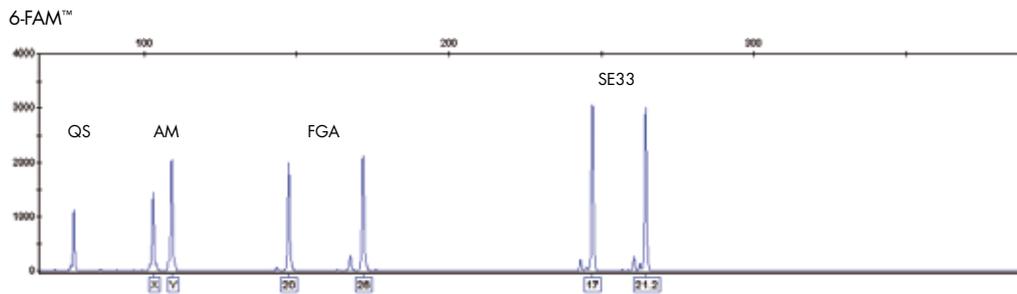
## Technical Information

# Investigator<sup>®</sup> Triplex AFS QS Kit

The Investigator Triplex AFS QS Kit takes advantage of the highly informative STR markers — FGA and SE33, as well as Amelogenin to enable fast and reliable DNA genotyping of blood, buccal swabs, and forensic stains. The Investigator Triplex AFS QS Kit is preferentially employed for pre-screening strategies or for low-copy and degraded DNA samples that do not give distinct results with complex multiplexes.

As a special feature, the Investigator Triplex AFS QS Kit also includes an internal PCR control (Quality Sensor “QS”) which provides helpful information regarding the successful PCR amplification, and can distinguish between failed PCR amplification and absence of DNA.

- Developed for pre-selection of critical forensic stains based on two STR markers
- Simultaneous amplification of FGA (FIBRA), SE33 (ACTBP2), and Amelogenin
- An integrated Quality Sensor for better decision-making and data interpretation
- Highly sensitive and inhibitor resistant



**Electropherogram of the Investigator Triplex AFS QS Kit.** Analysis was performed on an ABI PRISM<sup>®</sup> 310 Genetic Analyzer using 200 pg Control DNA XY1. The Quality Sensor (QS) is shown at 77 bp. Allele assignment was performed using the GeneMapper<sup>®</sup> ID Software and the Investigator Triplex AFS QS Template File.

### Technical specifications

Volume per PCR reaction	25 µl
Matrix	DS-30
Fluorescence labels	6-FAM, ROX™
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 FGA SE33

## Ordering Information

Product	Contents	Cat. no.
Investigator Triplex AFS QS Kit (400)*	Primer mix, reaction mix, DNA Polymerase, Control DNA, allelic ladder Triplex AFS QS, DNA size standard, and nuclease-free water	380317

\* 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](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

Learn more at [www.qiagen.com/InvestigatorIDKits](http://www.qiagen.com/InvestigatorIDKits).

ISO 18385 compliant, see [www.qiagen.com/forensicgrade](http://www.qiagen.com/forensicgrade).

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