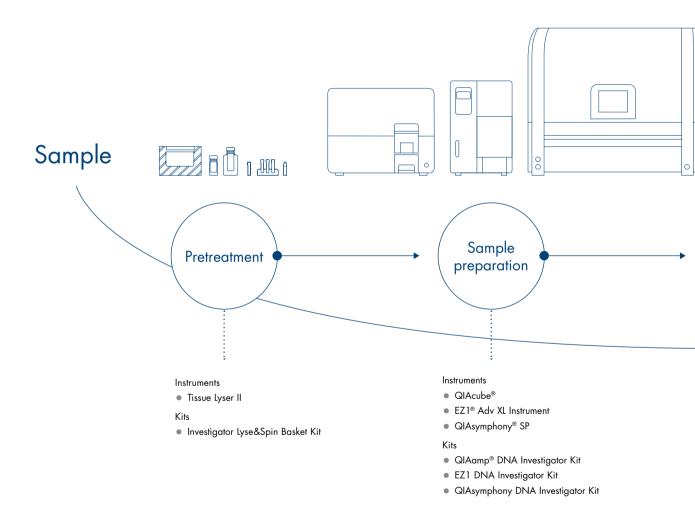


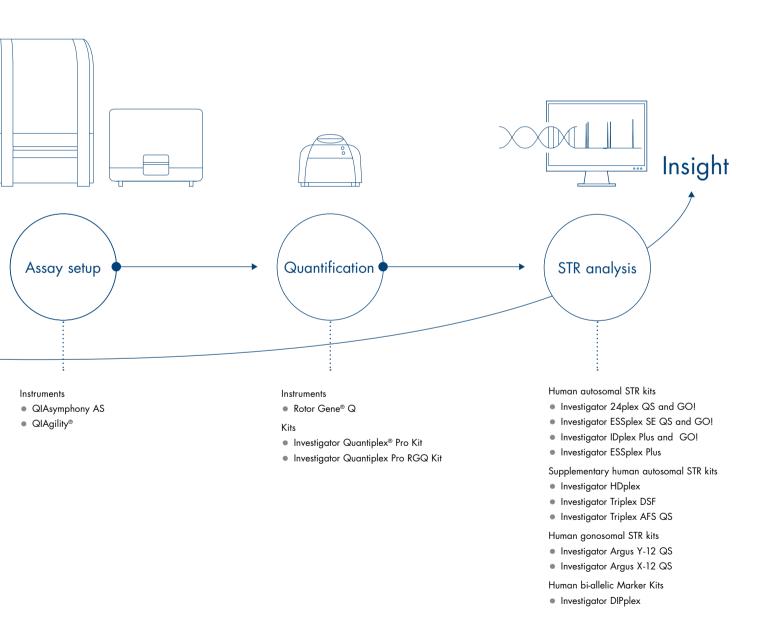
Streamline your workflow - get more information faster with QIAGEN

Nowadays, forensic and paternity laboratories are often faced with increasing workloads, due to growing demand for DNA testing. To reduce costs and increase efficiency, productivity and quality of laboratory operations, forensic facilities like yours are required to optimize their workflows. This is why QIAGEN has developed high-quality automation, consumables, and assay solutions designed to meet your needs, whether you belong to a smaller lab or a higher-throughput



® solutions for human identity and forensic testing

facility. All Investigator® products have been validated according to recommendations of the European Network of Forensic Science Institutes (ENFSI) and the Revised Validation Guidelines of the Scientific Working Group on DNA Analysis Methods (SWGDAM). QIAGEN can help your forensic laboratory standardize sample processing, and enable you to achieve consistent high-quality results – from Sample to Insight!



QIAGEN Forensic DNA Grade quality

High-quality Investigator solutions

Trust in your results with QIAGEN Forensic Grade products

In criminal investigation, the introduction of foreign DNA to a crime scene sample, either at the scene itself or during laboratory analysis, can be devastating for the examination. As a manufacturer of consumables used to collect and analyze samples from crime scene or reference materials, QIAGEN has a broad range of quality measures in place to guarantee highest product quality and safety. Our Investigator branding and Forensic Grade labels (Figure 1) demonstrate compliance with industry-leading quality control systems, and exacting manufacturing standards which includes:

- ISO 9001:2008
- Production in clean-room compliant to ISO 14644
 standard and EU guidelines on GMP for Medicinal
 Products for Human and Veterinary Applications
- Risk analysis of manufacturing processes for potential exogenous human DNA
- Cleaning and environmental monitoring procedures
- Automated manufacturing and EO treatment whenever feasible
- Testing for absence of human DNA post-production before batch release
- Contamination Exclusion Database service

ISO 18385
Forensic DNA Grade

Figure 1. ISO 18385 Forensic DNA Grade. Investigator products that undergo an EO treatment are labeled accordingly.

As part of the stringent and process oriented quality management system, all Investigator kits are manufactured in ISO-certified facilities at our headquarters in Hilden, Germany. This ensures that they comply with the applicable regulatory requirements. To further ensure consistent high quality, each kit lot is tested against pre-determined specifications and for absence of human DNA post production.

With these measures, QIAGEN's entire Investigator product portfolios and corresponding manufacturing sites are compliant with the ISO18385 forensic standard to minimize the risk of human DNA contamination in products used to collect, store and analyze biological material for forensic purposes.

For more Forensic Grade quality, see www.qiagen.com/forensicgrade.

Sample pretreatment for best results

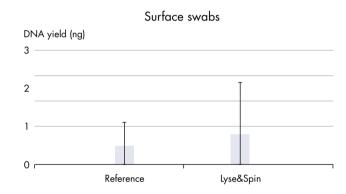
Investigator Lyse&Spin Basket Kit

Reduced sample handling and complete nucleic acid recovery

The Investigator Lyse&Spin Basket Kit is used for pretreatment of forensic samples, in combination with manual and automated extraction kits, such as the QIAamp DNA Investigator Kit, the EZ1 DNA Investigator Kit and the QIAsymphony DNA Investigator Kit. This kit enables you to perform sample lysis and separation of solid sample substrates at the same time (for example, swabs, pieces of fabric or leather, paper, cigarette butts, chewing gum, small tapes or other sample types), in one simple procedure (Figure 2).

- A streamlined front-end solution for pretreatment of forensic samples
- Lysis at 56°C for up to 16 hours without leaking
- Filtration of lysates and retention of particles >10 µm
- EO-treated bulk or single blistered kit configurations

Figure 2. Higher DNA yield. Comparison data with standard lysis and filtration using the QIAshredder (Reference), and lysis and filtration using the Investigator Lyse&Spin Basket Kit (Lyse&Spin). The Casework 500 ADV protocol was used on the QIAsymphony SP for DNA purification, and the Investigator Quantiplex Kit for human DNA quantification (n=12).



TissueLyser II

Convenient sample disruption of bone or teeth samples

As a molecular forensic investigator or archaeologist, you know better than anyone else that DNA purification from bones or teeth can be a very challenging task. The Tissuelyser II (Figure 3) bead mill is capable of grinding a bone or tooth sample to a fine powder in just a few minutes, using liquid nitrogen for the grinding jar set of the instrument.

- Bead mill for grinding bones or teeth until pulverized
- Convenient and secure disruption process
- Reproducible results with difficult-to-lyse tissues
- Adapter sets optimized for high-throughput disruption
- Front-end solution for QIAGEN sample preparation



Figure 3. TissueLyser II

Automated solutions for rape samples

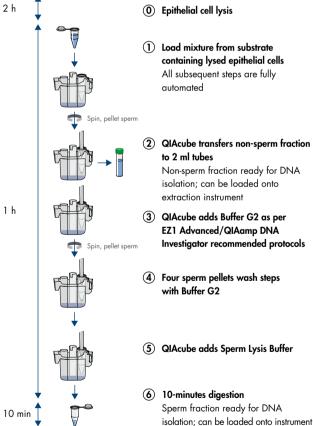
Differential wash on the QIAcube

Standardization of critical steps in sexual assault analysis with automation

Sexual assault cases are a serious public safety concern, and samples recovered from victims and suspects pose particular challenges to forensic laboratories. While DNA evidence has the power to identify assailants, effective lysis and careful separation of the sperm and epithelial fractions are essential for you to achieve the best possible results in downstream STR analysis. Our specially designed differential wash protocols for the QIAcube rise to meet this challenge, helping you to achieve success with even the most difficult samples. These protocols are directly compatible with all QIAGEN downstream DNA purification kit solutions.

- Automated wash steps and sperm pellet lysis for up to 6 samples in 60 minutes, or up to 12 samples in 90 minutes
- Standardized procedures reducing run-to-run variability
- Increased efficiency due to less hands-on time

Differential wash and lysis protocol for the QIAcube



Start to standardize sexual assault analysis. Watch the webinar *Validation of the QlAcube for Differential Separation* at www.qiagen.com/forensics-webinar or go to www.qiagen.com/diffwash.

Proven silica membrane technology for DNA purification

QIAamp DNA Investigator Kit and QIAcube instrument

Manual or automated DNA purification from forensic samples

The QIAamp DNA Investigator Kit is designed for manual or automated purification of total DNA. Proven silica membrane technology provides you with high-quality DNA, which is suitable for direct use in downstream analysis or storage for later use. Pretreatment protocols are available for various typical casework or reference sample types.

- Proven silica membrane technology
- Rapid purification of high-quality, ready-to-use DNA
- Consistently high yields with elution in as little as 20 μl
- Manual or automated on the QIAcube

The QIAcube uses advanced technology to process QIAGEN spin columns, enabling you to seamlessly integrate automated, low-throughput sample prep into your laboratory workflow (Figure 4). No change of purification chemistry is required, assuring fast startup and immediate results. All steps in the purification procedure are fully automated — up to 12 samples can be processed per run.

- Automation of trusted QIAGEN spin-column kits
- Elimination of manual processing steps
- More free time with affordable automated processing
- Standardized results and increased productivity

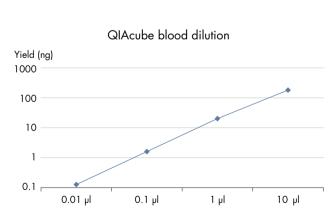




Figure 4. Linear correlation of input sample amount and purified DNA (left), performed on a QIAcube instrument (right).

Fast, efficient and reliable – purification with magnetic beads

EZ1 Advanced XL Instrument and EZ1 DNA Investigator Kit

Standardized automated purification for up to 14 samples

The EZ1 Advanced XL Instrument enables you to achieve fast, efficient and standardized DNA purification in just ~20 minutes. Manual sample handling is minimized, ensuring safety and reliable processing of any sample from your forensic routine work. The EZ1 DNA Investigator Kit includes all reagents and accessories required to process your samples, providing prefilled, foil-sealed reagent cartridges that remain sealed until the instrument door is closed and the protocol run started, reducing the risk of contamination during setup (Figure 5).

- Efficient yield and reproducible high performance from casework samples
- Prefilled, foil-sealed reagent cartridges
- Optimized, easy-to-run protocols
- Bar code reading for tracking of samples and reagents
- UV lamp to prevent cross-contamination

Pretreatment protocols for typical casework or reference samples are available in the EZ1 DNA Investigator Handbook. DNA purification protocols provided on EZ1 DNA Investigator Cards:

- Trace protocol
- Tip Dance protocol
- Large Volume protocol
- Large Scale Bone protocol



Figure 5. EZ1 Advanced XL with prefilled reagent cartridges.

In the Tip Dance protocol, the filter-tip moves back-and-forth relative to the worktable platform while pipetting, without the need for prior centrifugation to remove solid materials that could clog the tip. This allows you to process solid materials, such as swabs or blood discs, directly in the sample tube.

To find out more about standardizing automated purification, watch the webinar *Improving DNA Analysis Efficiency with the EZ1* at **www.qiagen.com/forensics-webinar**.

QIAsymphony - in tune with your DNA evidence

Automate crime solving with QIAsymphony SP/AS

Sample purification and assay set up with one versatile instrument

The QIAsymphony SP/AS offers you unequalled quality in medium- to high-throughput DNA sample purification (SP) and assay setup (AS) for human identity and forensic analyses (Figure 6). Latest software and protocol developments have improved handling of difficult sample and subsequent STR assay setup options. This innovative, easy-to-use modular system with built-in touchscreen offers you excellent performance, traceability and LIMS compatibility.

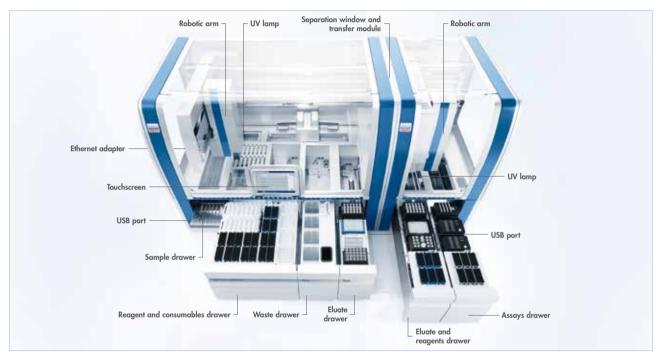


Figure 6. The QIAsymphony instrument with the SP and AS module.

Whether you operate the instrument in an integrated mode or as two separate modules, the QIAsymphony architecture prevents cross- and operator-contamination, ensuring complete sample integrity. To reduce manual handling steps and minimize the risk of sample contamination, your samples processed on the QIAsymphony SP are transferred automatically to the QIAsymphony AS (integrated operation). The QIAsymphony system also provides additional safety features, including optimized design and protocols, moving UV light and drop catchers, a hooded system with magnetic lockers and separate and safe waste disposal.

For further information on sample preparation with the QIAsymphony DNA Investigator Kit on QIAsymphony SP, watch our webinar *Successfully overcoming challenges in forensic sample preparation* at www.qiagen.com/forensics-webinar.

Fast and efficient automated sample DNA purification

QlAsymphony SP and QlAsymphony DNA Investigator Kit

Automated purification of DNA from 1-96 samples

To meet the specific challenges of your forensic samples, we have developed sample preparation protocols, ensuring the highest possible first-pass success rates. Advanced protocols (ADV) use a heated binding step and increased binding time to maximize yields of pure DNA from the most difficult samples (Figure 7). High-Efficiency (HE) protocols address the challenge of recovering sufficient DNA from touch samples and other low-template samples. TopElute Fluid maximizes sensitivity for these difficult samples (data not shown). The full range of high-efficiency forensic protocols available for different reference and casework samples are described in Table 1.

- Maximum process safety with prefilled, sealed reagent cartridges of the QIAsymphony DNA Investigator Kit
- Continuous loading in batches of up to 24 samples including internal controls with bar code reading
- Option to assign different protocols to each batch
- Different protocol options to ensure maximum DNA recovery, yield and quality, free from inhibitors

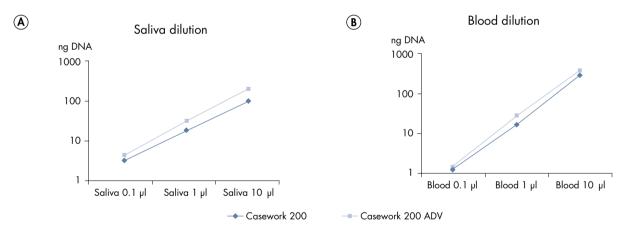


Figure 7. Improved DNA yields using the Casework Advanced protocol. A: Series of saliva or B: blood dilutions (4 replicates each) were purified using the Advanced protocol (Casework 200 ADV), which includes a heated and prolonged binding step, or the standard protocol (Casework 200). The Investigator Quantiplex Kit was used for DNA quantification.

Table 1. High-efficiency forensic protocols for the QIAsymphony

Protocol	Lysis volume options	Enhanced binding	Eluate volume	TopElute Fluid
Reference	200, 500 µl	No	100–400 µl	No
Casework	200, 500, 1000 µl	No	100–200 µl	No
Casework ADV	200, 500, 1000 µl	Yes	100–200 µl	No
Casework HE	200, 500, 1000 µl	No	30–80 µl	Yes
Casework HE ADV	200, 500, 1000 µl	Yes	30–80 µl	Yes

Reproducible results with automated PCR assay setup

QIAsymphony AS module

Forensic workflow integration and user-friendly assay setup

The QIAsymphony AS extends the capabilities of the QIAsymphony SP by integrating automated PCR assay setup, for both real-time quantification and traditional STR assays (Figure 8). If your laboratory is already operating a QIAsymphony SP, you can easily upgrade your system onsite with a QIAsymphony AS module, and use the module as an independent or integrated liquid handler.

- Automated transfer of eluates from the SP to the AS module for assay setup
- Automated serial dilution of quantification standards
- Import of concentration data from various frequently used real-time cyclers
- Normalization of samples for subsequent STR assay setup
- User-defined target amount, minimum and maximum

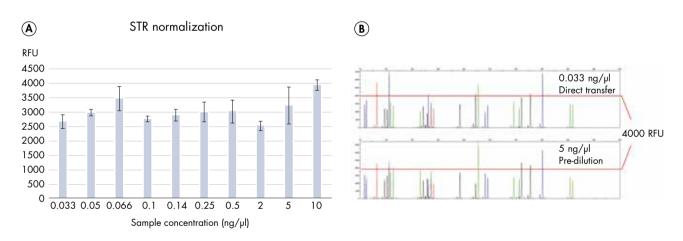


Figure 8. Normalized STR results. A dilution series of DNA from 33 pg/μl to 10 ng/μl was prepared. Samples were loaded on the QlAsymphony AS module (4 replicates each) and an Investigator ESSplex Plus reaction with a target input of 500 pg/reaction was set up. DNA was amplified by PCR and analyzed by capillary electrophoresis. **A**: Comparison of average peak heights across all 16 ESSplex markers. **B**: Profile examples.

For further information on the QIAsymphony SP/AS, watch our webinar *Optimizing DNA Purification from Forensic Samples for Higher Yield and Quality* at **www.qiagen.com/forensics-webinar**.

High-precision, reproducible reaction and plate setup

QlAgility

The flexible benchtop liquid handler for automated assay and capillary electrophoresis (CE) plate setup

The QIAgility is a compact benchtop instrument that helps you save time by enabling rapid, high-precision PCR and CE setup, and providing standardization, traceability and highly accurate pipetting (Figure 9). The unmatched versatility of the QIAgility means that almost all tube and plate formats are supported, as well as Rotor-Discs® for the Rotor-Gene Q.

For PCR success at the first attempt, you can use verified prewritten and ready-to-run Q Protocols for PCR setup in combination with QIAGEN PCR kits for end-point and real-time PCR.

- Assay setup for quantitative real-time PCR and STR analysis
- Normalize up to 64 DNA samples in a single run
- Import sample IDs and concentration data directly from the normalization protocol
- Automatic addition of DNA extract at the recommended template input





Figure 9. QIAgility instrument and deck layout.

Manually setting up 96-well plates for CE to obtain STR profiling results is time-consuming and prone to error. The QIAgility can set up a 96-well plate for CE in just 34 minutes, including dispensation of Hi-Di™ Formamide/size standard mix, samples and allelic ladders.

- Prewritten protocols for CE plate setup with fixed or user-defined ladder positions
- High accuracy by sensing the meniscus during pipetting and retracting the tip while dispensing to prevent bubbles in the Hi-Di Formamide/PCR product mixture that could result in failed injections

Trusted DNA quantification results, even from difficult samples

Investigator Quantiplex Pro and Investigator Quantiplex Pro RGQ Kits

Quantification prior to downstream STR analysis confirms that sufficient DNA is present in your sample and indicates if it contains inhibitors, which may interfere with your STR analysis.

We have two new easy-to-use human DNA quantification kits based on quantitative real-time PCR:

- Investigator Quantiplex Pro Kit for quantification of total human and human male DNA with integrated human DNA degradation assessment
- Investigator Quantiplex Pro RGQ Kit for quantification of total human and human male DNA with integrated male and human DNA degradation assessment

Both kits offer the following features:

- Unique and precise DNA degradation assessment
- Highly accurate and sensitive results for male DNA in a high female background
- High dynamic range from 0.5 pg/μl to 200 ng/μl for both human and male DNA
- Reliable information about inhibitors with high correlation to STR results
- Fast-cycling PCR in about one hour

Both kits work with any human ID workflow and are designed to complement the Quality Sensor included in several of our Investigator STR PCR assays (e.g., Investigator ESSplex SE QS Kit, Investigator 24plex QS Kits, etc.), enabling an unparalleled level of workflow optimization. The Investigator Quantiplex Pro Kit includes small and large human DNA targets to provide an accurate assessment of DNA degradation. The Investigator Quantiplex Pro RGQ Kit contains in addition small and large human male targets, which is particularly beneficial when analyzing sexual assault samples where low levels of the male perpetrator's DNA could be highly degraded in a background of non-degraded female DNA (Figure 10).

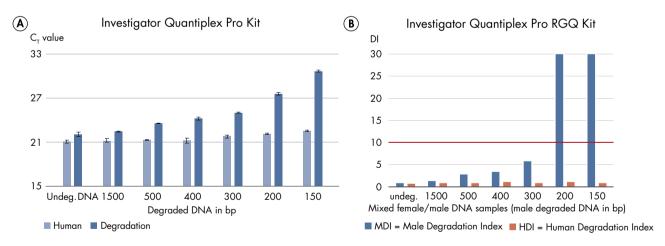


Figure 10. Accurate detection of DNA degradation. A: Male genomic DNA was sheared with a Covaris® S220 Focused-ultrasonicator™ to average fragment sizes of 150–1500 bp. Each fragment size (4.6 ng) was tested with the newly developed Quantiplex Pro degradation detection system. B: Male genomic DNA was sheared as described above. Each set contains 0.1 ng/µl of degraded male DNA mixed with 100 ng/µl of non-degraded female DNA and were tested using the Investigator Quantiplex Pro RGQ Kit.

Obtain reliable and easy-to-interpret results with our Quantiplex product line. Watch our webinars A comparison of protocols for human DNA quantification in forensic casework or Maximizing STR success with the most challenging types of sample using multiplex real-time PCR quantification of total human and total male DNA at www.qiagen.com/forensics-webinar.

STR analysis - have confidence in your evidence

Investigator Human Identification PCR Kits

Accelerated DNA profiling with unique features

When preparing to give evidence in court, you need to have an STR profile you can trust. QIAGEN offers a broad portfolio of multiplex PCR kits for human identification and paternity testing that allow you to do just that – trust in your evidence. Our kits offer the most comprehensive and versatile coverage of current international STR standards: the European Standard Set (ESS) loci or Combined DNA Index (CODIS) loci. Dedicated assays are available for casework analysis that requires DNA purification as well as for direct amplification of reference samples.

Sometimes, standard autosomal kits are not sufficient to resolve a case and further genetic markers are needed. Conversely, there are situations where you need only a few, highly discriminating markers. Therefore, we offer a broad range of unique solutions for complex deficiency cases, ChrX or ChrY analysis, prescreening solutions with triplex subsets, as well as deletion/insertion polymorphisms.

- International compatibility with all new CODIS core and ESS loci
- Two kit concepts for direct amplification and challenging casework samples after DNA purification
- Combinatorial kits with non-standard markers or triplex applications
- Very high sensitivity and inhibitor resistance
- Accelerated PCR speed for fast results
- Smart primer design for minimal allelic overlap, reducing the risk of misinterpretation



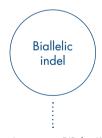
- Investigator 24plex QS and GO! Kits
- Investigator ESSplex SE QS and GO! Kits
- Investigator IDplex Plus and GO! Kits
- Investigator ESSplex Plus Kit



- Investigator HDplex Kit
- Investigator Triplex DSF Kit
- Investigator Triplex AFS QS Kit



- Investigator Argus Y-12 QS Kit
- Investigator Argus X-12 QS Kit



Investigator DIPplex Kit

Investigator 24plex QS and Investigator 24plex GO! Kits are approved for use in laboratories that generate DNA profiles for submission to the National DNA Index System (NDIS). See **www.fbi.org**.

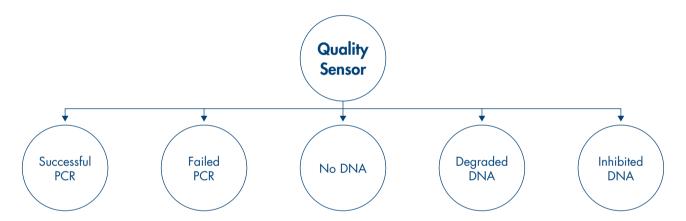


Better quality control checks for your STR analyses

Investigator Quality Sensor

Advanced STR analysis with an innovative and unique internal performance control

One cost- and labor-intensive part of forensic workflows is the process of repeating STR analyses on DNA samples that showed poor results or failed quality criteria, due to degradation, inhibition or absence of DNA. As part of our dedication to improving forensic workflows, we have developed a new feature to give you more information about your sample quality. The innovative Quality Sensor (QS) allows you to generate additional, valuable information for your quality control and performance checks (Figure 11). The QS is amplified simultaneously with the DNA, therefore no extra steps are needed and time is saved. Suboptimal profiles can now be interpreted for the correct action to minimize unnecessary PCR reruns. Let the QS redefine the way you think about casework analysis.



For better quality control in your STR analysis, see www.qiagen.com/qualitysensor.

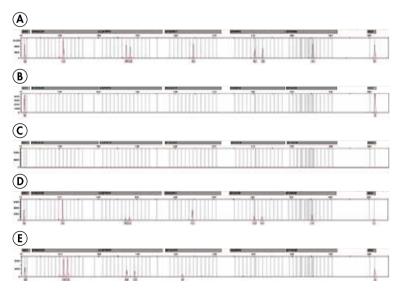


Figure 11. Quality Sensor explained. A: Successful run. Small amplicon Quality Sensor peak (QS1) and large amplicon Quality Sensor peak (QS2) appear at similar heights. Sample allele peaks have balanced height across the profile. B: Confirmed successful PCR amplification bur absence of DNA. QS1 and QS2 appear at similar heights. No sample allele peaks appear. C: Failed PCR amplification. Lack of QS1 and QS2. No sample allele pears appear. D: Inhibited DNA. QS1 with normal peak height and QS2 eith decreased peak height can be seen if inhibitors are affecting PCR. Sample allele peaks for the markers show decreasing height towards the larger markers. E: Degrated DNA. QS1 and QS2 appear at similar heights. Sample shows allele peaks for the STR loci with decreasing height towards the larger STR loci. The analysis was performed on a GeneAmp® PCR System 9700 Thermal Cycler and Applied Biosystems 3500 Genetic Analyzer using the Investigator 24plex QS Kit.

The right STR kit for the right sample

Investigator STR QS and Investigator STR Plus Kits

For casework sample analysis from purified DNA

You know better than anyone else that small traces of DNA, which are often present as a DNA mixture, may be challenging for casework sample analysis. In such situations, a clean baseline and high sensitivity of the STR assays is crucial for a successful STR profile. The QIAGEN Investigator STR products offer the sensitivity and robustness you need, as well as the Quality Sensor, which shows you the quality of your sample and how best to proceed (Figure 12). This allows you to reduce costs and increase process efficiency. The following kit options are available:

- Investigator 24plex QS Kit for analysis of the new CODIS expansion marker set, with Quality Sensor
- Investigator ESSplex SE QS Kit for analysis of the ESS standard set including SE33, with Quality Sensor
- Investigator ESSplex Plus Kit for analysis of the ESS standard set
- Investigator IDplex Plus Kit for analysis of the CODIS marker set

These kits offer the following features:

- Fast results with a PCR speed of around 60 minutes
- Highest pass rate for the most challenging samples due to high sensitivity and inhibitor resistance
- Added information and better decision, when the Quality Sensor is present

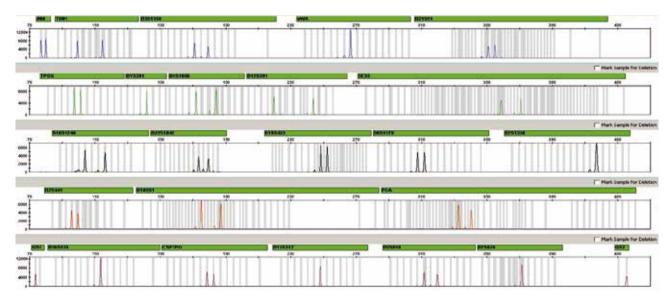


Figure 12. Electropherogram of control DNA 9948 analyzed with the Investigator 24plex QS Kit. The sample was amplified in the presence of 500 µM hematin, which did not interfere with amplification, meaning that a high-quality profile was obtained. This can be seen as the Quality Sensor fragments QS1 (lowest panel on the left) and QS2 (lowest panel on the right) were not adversely affected, indicating a successful run.

Investigator STR GO! Kits

For direct amplification from reference samples

Direct amplification can dramatically increase your lab's throughput and simultaneously decrease the complexity of your STR analysis processes. This reduces costs and minimizes the potential for errors. The Investigator STR GO! Kits offer specific optimized direct protocols without the need for sample purification, for blood or saliva on FTA® papers or buccal swabs. If integrated, the Quality Sensor lets you see whether there is a lack of DNA or an unsuccessful PCR. This streamlines your decision-making process and lets you focus your resources optimally. The following kit options are available:

- Investigator 24plex GO! Kit for analysis of the new CODIS expansion marker set, with Quality Sensor
- Investigator ESSplex SE GO! Kit for analysis of the ESS standard set incl. SE33
- Investigator IDplex GO! Kit for analysis of the CODIS marker set

These kits offer the following features:

- Ideal for reference samples from buccal cells or blood on FTA paper or buccal swabs
- Swab lysis in just 5 minutes (see Figure 13)
- Validated protocols for automated sample punching and reaction setup

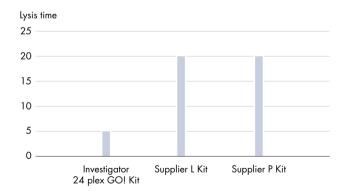


Figure 13. Quicker swab lysis for direct amplification. The effective swab lysis time of the Investigator STR GO! Lysis Buffer for the Investigator 24plex GO! Kit protocol, and swab lysis times for other suppliers, are shown.

To see what out Investigator STR kits can do for you, watch our webinar The New Approach to Global STR Analysis: Avoid False Negatives with Quality Sensor or Direct Amplification of Reference Samples Using Investigator STR GO! Kits at www.qiagen.com/forensics-webinar.

Ordering Information

Product	Contents	Cat. no.
Pretreatment		
Investigator Lyse&Spin Basket Kit (50)*	50 pouches with 50 baskets and 100 collection tubes	19597
TissueLyser II	Bead mill, 100–120/220–240 V, 50/60 Hz; requires the Tissuelyser Adapter Set 2 x 24 or Tissuelyser Adapter Set 2 x 96 (available separately)	85300
DNA purification and assay setup		
QIAcube System (230 V)	Robotic workstation for automated purification of DNA, RNA or proteins using QIAGEN spin-column kits: includes installation and training, 1-year warranty on parts and labor	9001885
QIAcube (230V) HID Diff. Washing Station	Differential Wash Protocol Pack, QIAcube, Starter Pack, Installation, IQ/OQ Services, Guided Validation Support	9002171
EZ1 Advanced XL	Robotic workstation for automated purification of nucleic acids from up to 14 samples using EZ1 Kits, 1-year warranty	9001492
EZ1 DNA Investigator Kit (48)	For 48 preps: Reagent Cartridges (DNA Investigator), Disposable Filter-Tips, Disposable Tip-Holders, Sample Tubes (2 ml), Elution Tubes (1.5 ml), Buffer G2, Proteinase K, Carrier RNA	952034
QIAsymphony SP	QIAsymphony sample prep module, 1-year warranty on parts and labor	9001297
QIAsymphony AS	QIAsymphony assay setup module, 1-year warranty on parts and labor	9001301
QIAsymphony DNA Investigator Kit (192)	For 192 preps of 200 µl each from casework and reference samples: Includes 2 reagent cartridges and enzyme racks and accessories	931436
QIAgility System HEPA/UV (incl. PC)	Robotic workstation for automated PCR setup (with UV light and HEPA filter); including notebook computer, QIAgility Software, installation and training, 1-year warranty on parts and labor	
Rotor-Gene Q 5plex HRM Platform	Real-time PCR cycler and High Resolution Melt analyzer with 5 channels (green, yellow, orange, red, crimson) plus HRM channel, laptop computer, software, accessories, 1-year warranty on parts and labor, installation and training not included	9001580

^{*} Larger kit sizes available; please inquire

Ordering Information

Contents	Cat. no.
For use on Applied Biosystems 7500 Real-Time Systems: Quantiplex Pro Reaction Mix, Quantiplex Pro Primer Mix, Quantiplex Pro Control DNA M1, QuantiTect Nucleic Acid Dilution Buffer	387216
For use on QIAGEN RotorGene Q Real-Time Systems: Quantiplex Pro RGQ Reaction Mix, Quantiplex Pro RGQ Primer Mix, Male Control DNA M1, QuantiTect Nucleic Acid Dilution Buffer	387316
Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	382415
Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard	382426
Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	381575
Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard	381566
Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard 550 , Nuclease-Free Water	381535
Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard 550, Nuclease-Free Water	381625
Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard	381636
Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	380327
Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	380317
Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	381215
Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	383223
Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	383615
Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water	384015
	For use on Applied Biosystems 7500 Real-Time Systems: Quantiplex Pro Reaction Mix, Quantiplex Pro Primer Mix, Quantiplex Pro Control DNA M1, QuantiTect Nucleic Acid Dilution Buffer For use on QIAGEN RotorGene Q Real-Time Systems: Quantiplex Pro RGQ Reaction Mix, QuantiTect Nucleic Acid Dilution Buffer Primer Mix, Male Control DNA M1, QuantiTect Nucleic Acid Dilution Buffer Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard Primer Mix, Fast Reaction Mix 2.0, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard 550, Nuclease-Free Water Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard 550, Nuclease-Free Water Primer Mix, Fast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard 550, Nuclease-Free Water Primer Mix, Rast Reaction Mix, Control DNA, Allelic Ladder, DNA Size Standard Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Fast Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Fast Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water Primer Mix, Reaction Mix, DNA Polymerase, Control DNA, Allelic Ladder, DNA Size Standard, Nuclease-Free Water

^{*} Larger kit sizes available; please inquire.

 $^{^{\}dagger}$ Not available in all countries; please inquire.

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.
Learn more about our human identity and forensic testing solutions for confidence in your evidence at www.qiagen.com/forensics.
Trademarks: QIAGEN®, Sample to Insight®, QIAamp®, QIAcube®, QIAgility®, QIAsymphony®, EZ1®, Investigator®, QuantiPlex®, Rotor-Disc®, Rotor-Gene® (QIAGEN Group); Applied Biosystems®, FTA® [Whatman Group]; GeneAmp® (Life Technologies Corporation); Hi-Di™ (Applera Corporation and subsidiaries). Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law. © 2018 QIAGEN, all rights reserved. PROM-4628-003
Ordering www.qiagen.com/shop Technical Support support.qiagen.com Website www.qiagen.com