

Forensic Casework Automation Workflows

Overview

Speed. Accuracy. Sensitivity. Versatility. Quality.

Complete
Workflow

Medium
Throughput

Medium-
to-High
Throughput

High
Throughput

Sexual Assault
Analysis

Differential
Wash

Ordering
Information



Workflow solutions for all throughputs and applications

Overview

Complete Workflow

Medium Throughput

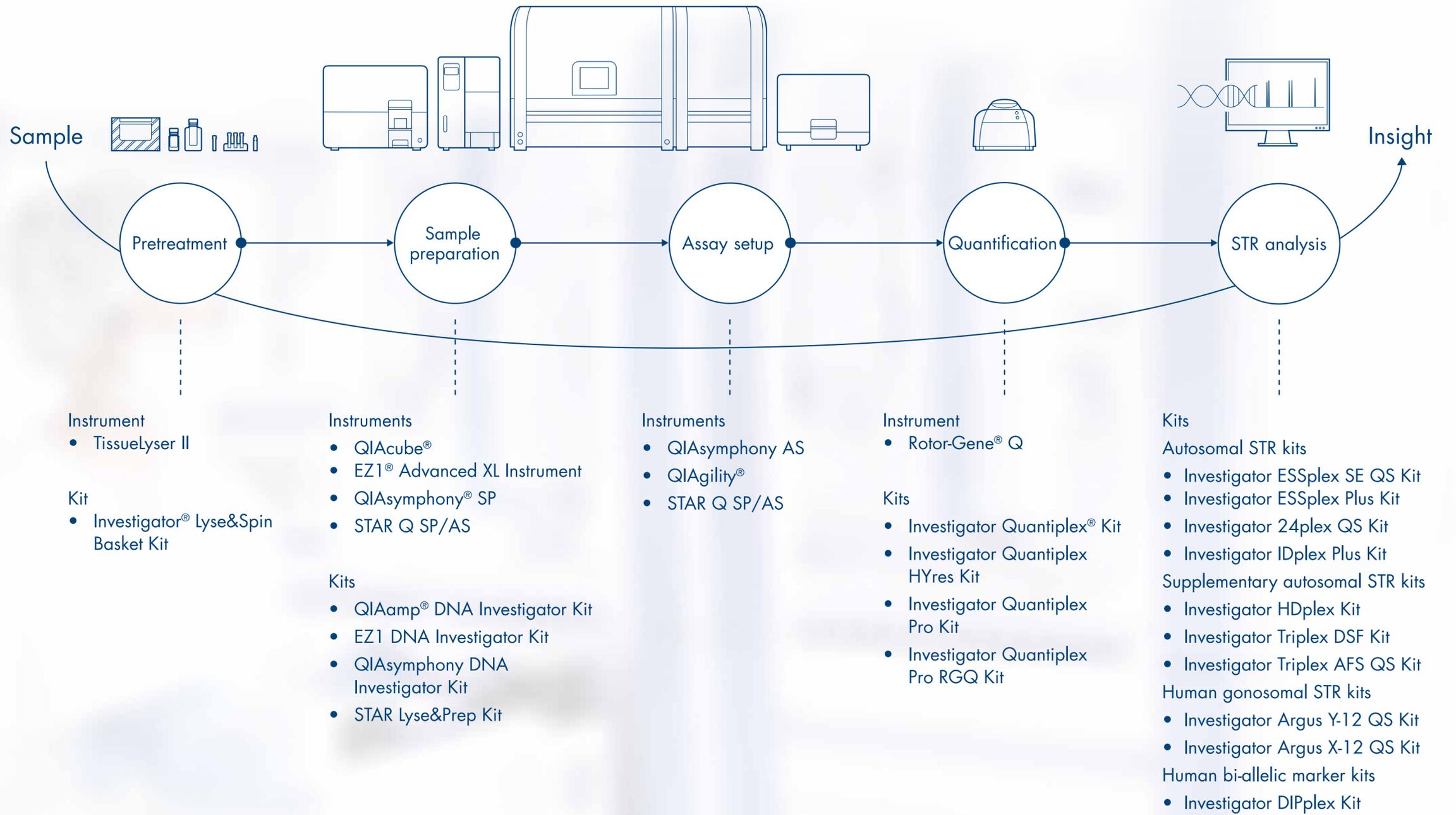
Medium-to-High Throughput

High Throughput

Sexual Assault Analysis

Differential Wash

Ordering Information



Overview
Complete Workflow
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High Throughput
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Process up to 56 samples per day

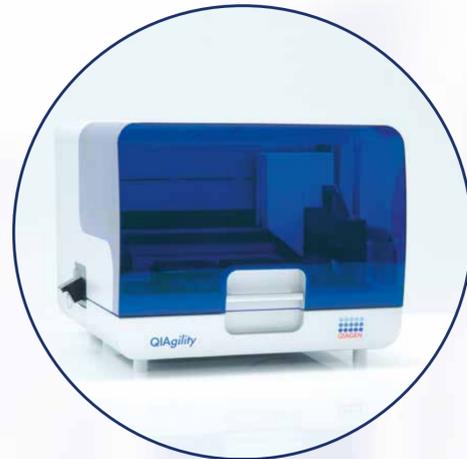


Automated Sample Preparation



EZ1 Advanced XL

Assay Setup



QIAgility for quant setup, normalization and PCR setup



QIAgility for CE setup

- EZ1 protocols for challenging samples, e.g., bone and teeth
- Combine with higher throughput automation for a dedicated sample workflow: bones, telogen hair, urgent cases
- QIAgility protocols for quantification setup on the Rotor-Gene Q and AB7500
 - Set up standard dilution, quant standards and NTCs in duplicate
 - Direct data export from the QIAgility to downstream quant and CE instruments

Process up to 120 samples per day



Application Note

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Complete Workflow

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Automated Sample Preparation



QIASymphony SP

Assay Setup



QIASymphony AS for quant setup, normalization and PCR setup



QIAgility for CE setup

- Fully integrated automation of complete workflows, from sample purification to PCR setup
- QIASymphony SP/AS modules can be operated in independent mode
- Continuous sample loading during the run
- Run consists of 4 batches of 1–24 samples

Process up to 192 samples per day

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Automated Sample Preparation



STAR Q SP/AS Instrument

Assay Setup



Optional QIAgility for quant setup, normalization and PCR setup



QIAgility for CE setup

- Fully compatible with the new Investigator STAR Lyse&Prep Kit
- High-throughput QIAGEN workflow
- Optional QIAgility for PCR setup to maximize capacity of STAR Q SP/AS for sample preparation

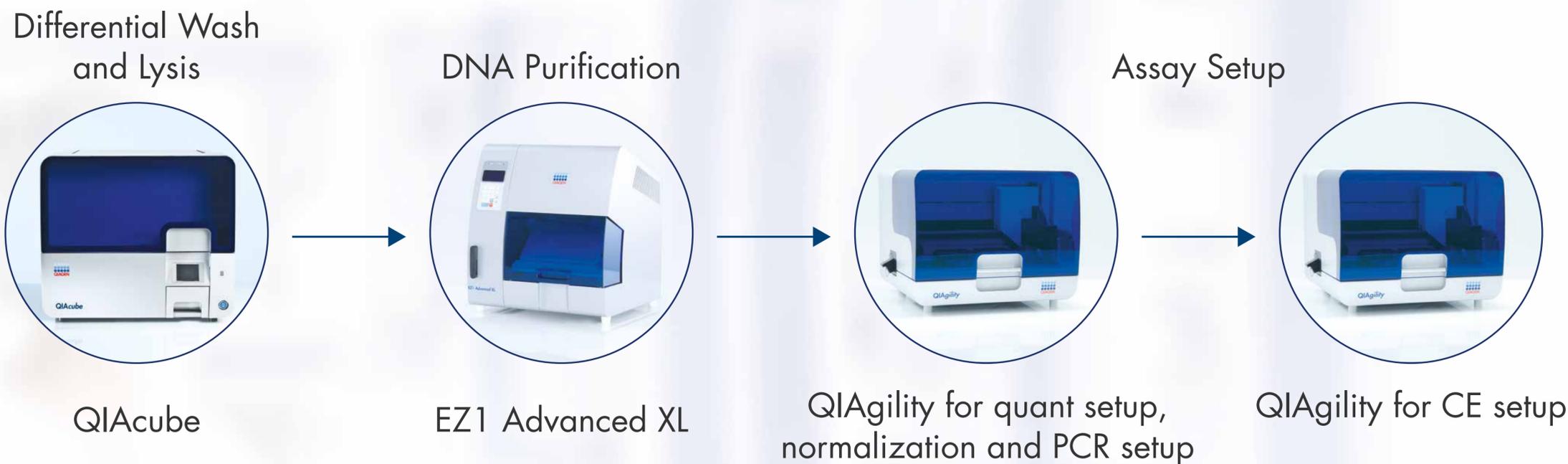
Application Note

Application Note

Standardized and reliable solutions for sexual assault analysis



- Overview
- Complete Workflow
- Medium Throughput
- Medium-to-High Throughput
- High Throughput



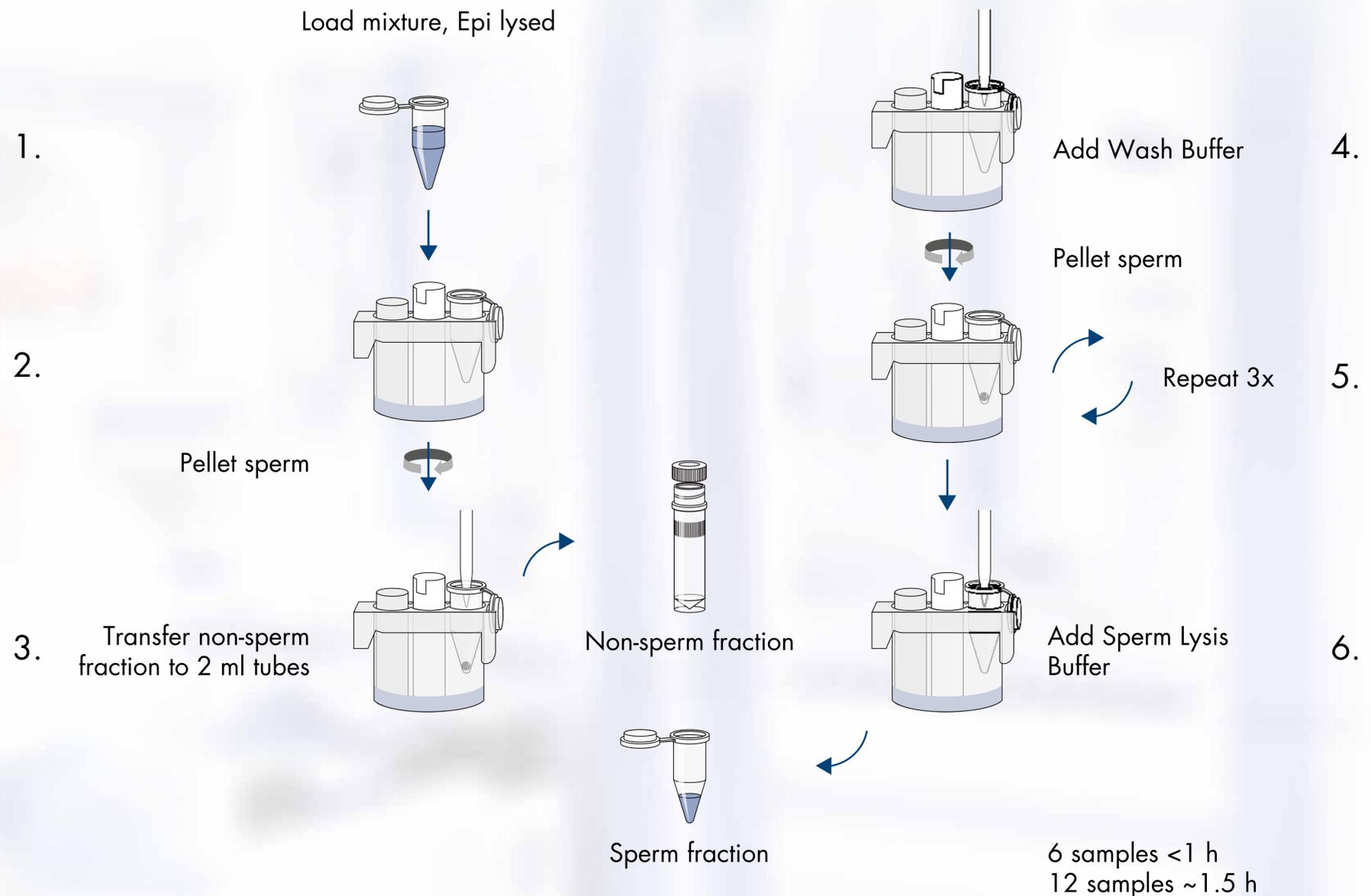
Sexual Assault Analysis

- Differential Wash
- Ordering Information

- Fully automated differential fraction separation and sperm pellet lysis of up to 6 or 12 sexual assault samples
- QIAcube automates differential wash up front of other workflow steps

The QIAcube HID differential wash workflow: Automated protocol for processing up to 24 samples per day

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Ordering Information

Product	Contents	Cat. no.
<u>EZ1 Advanced XL, System</u>	Robotic workstation for automated purification of nucleic acids from up to 14 samples using EZ1 Kits: includes installation, training, 1-year warranty on parts and labor	9001874
<u>QIASymphony SP</u>	QIASymphony sample prep module: includes 1-year warranty on parts and labor	9001297
<u>QIASymphony AS</u>	QIASymphony assay setup module: includes 1-year warranty on parts and labor	9001301
<u>STAR Q SP/AS Instrument</u>	Includes installation and training, 1-year warranty on parts and labor and 1-year maintenance	9002650
<u>QIACube (110 V) HID Diff. Washing Station</u>	Differential Wash Protocol Pack, QIACube (110 V), Starter Pack, Installation, IQ/OQ Services, Guided Validation Support	9002160
<u>QIAGility System HEPA/UV (incl. PC)</u>	Robotic workstation for automated PCR setup (with UV light and HEPA filter), notebook computer, and QIAGility Setup Manager Software: includes installation and training, 1-year warranty on parts and labor	9001532

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.

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