

Q Protocol

QIAgility[®] assay setup protocol: Quantifiler[®] Duo Quantification Kit

Q Protocol description

- Up to 29 different samples for quantification of human DNA
- 8 quantification standards in duplicate
- Pre-diluted stock (200 ng/ μ l to 50 ng/ μ l)
- Setup of no template controls (NTC) in duplicate
- Analysis using Applied Biosystems[®] 7500 Real-Time PCR System

Assay setup

Liquid	Volume
Master mix	23 μ l
Sample	2 μ l
Total reaction volume	25 μl

Liquid	Number
Samples	Up to 29
Standards	8
Replicates (samples)	1
Replicates (standards)	2
No template controls	2
Reactions	Up to 47



Worktable setup

Liquid	Plates/tubes
Samples	Micro tube 1.5 ml Safety Cap*
Reactions	MicroAmp® Optical 96-Well Reaction Plate
Reagents	Micro tube 1.5 ml Safety Cap*
Diluent	Micro tube 1.5 ml Safety Cap*
Final master mixes	5 ml Tube; Graduated, Flat-Base

* Add the volume of reagent that is specified in the Q Protocol to these tubes.

For detailed Q Protocol and worktable setup information, see the pre-run report.

Ordering information

Product	Contents	Cat. no.
5 ml Tube; Graduated, Flat-Base	Bag of 50; suitable for holding diluent and master mix on the instrument worktable; graduated, flat-base design with a tapered internal profile for minimum dead volume; screw cap included	990552
Adapter, Flip-Cap 32x1.5ml Tapered-Base	For holding 32 x 1.5 ml Tapered-Base Tubes; caps held vertically to enable access by the instrument; to be used in combination with the Flip-Cap Tube Lifter 32 x 1.5ml Tapered (cat. no. 9018950); a "virtual block" that holds 96 x 1.5 ml tubes can be configured using 3 adjacent adapters	9018927
Mix Block 2 ml	Master Mix Block, intended to hold diluent and master mix on the instrument worktable; holds 1 x 5 ml Flat-Base Tube and 4 x 2 ml Self-Standing Screw Cap Tubes	9020130
50 µl Conductive Filtered Tips	Carbon-impregnated conductive tips (960 tips) for use with liquid-level sensing; tips contain high-set filters; for use with Adapter, Tip Rack Holder (cat. no. 9018949)	990512
Tip Receptacle Box	Box of 10; waste collection box to fit tip ejector chute; fold-up design	990550

Additional ordering information

Quantifiler Duo DNA Quantification Kit, cat. no. 4387746 (www.sarstedt.com)

This Q Protocol can be easily adjusted for use with the following kits:

- Quantifiler Human DNA Quantification Kit (www.appliedbiosystems.com)
- Quantifiler Y Human Male DNA Quantification Kit (www.appliedbiosystems.com)

Recommended consumables to be supplied by user

PCR tubes, 200 μ l (generic)

Micro tube 1.5 ml Safety Cap, cat. no. 72.690 (www.sarstedt.com)

MicroAmp Optical 96-Well Reaction Plate, cat. no. 4316813 (www.appliedbiosystems.com)

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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Sample & Assay Technologies