
QIAgility[®] assay setup protocol for the Investigator[®] Quantiplex Kit for DNA quantification on the Rotor-Gene[®] Q

Q Protocol description

- For the quantification of human DNA from up to 56 different samples
- Manual preparation of master mix, taking into account additional volumes for automated setup
- 7 quantification standards in duplicate
- Setup of no-template controls in duplicate
- Analysis using the Strip Tubes (0.1 ml) on the Rotor-Gene Q (software version 2.0.2 Build 4)

Additional master mix requirements

Be aware that automated assay setup requires more master mix than manual assay setup. For example, when using 1–23 templates, you will need to prepare master mix for 3 reactions more than the number of templates. For other numbers of templates, prepare master mix as follows:

- 1–23 templates + 3 reactions
- 24–46 templates + 4 reactions
- 47–56 templates + 5 reactions

Assay setup

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

Liquid	Number
Samples	Up to 56
Standards	7
Replicates (samples)	1
Replicates (standards)	2
No-template controls	2
Reactions	Up to 72

Worktable setup

Liquid	Plates/tubes
Samples	Screw cap micro tube 1.5 ml*
Reactions	0.1 ml Strip Tubes
Diluent	Screw cap micro tube 2 ml
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.
Investigator Quantiplex Kit (200)	Primer mix IC FQ, reaction mix FQ, Control DNA Z1, dilution buffer	387016

Required QIAgility accessories

Product	Contents	Cat. no.
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
Adapter, 72x0.1ml Strip Tubes	For holding 72 x 0.1 ml Strip Tubes; tubes are secured with a locking mechanism	9018917

Required QIAgility consumables

Product	Contents	Cat. no.
Strip Tubes and Caps 0.1 ml (250)*	250 strips of 4 tubes and caps for 1000 reactions	981103
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
50 µl Conductive Filtered Tips	Box of 5; carbon-impregnated conductive tips for use with liquid-level sensing; tips contain high-set filters; for use with Adapter, Tip Rack Holder (cat. no. 9018949)	990512
200 µl Conductive Filtered Tips	Box of 5; carbon-impregnated conductive tips for use with liquid-level sensing; tips contain high-set filters; for use with Adapter, Tip Rack Holder (cat. no. 9018949)	990522
Tip Receptacle Box	Box of 10; waste collection box to fit tip ejector chute; fold-up design with clear plastic viewing window	990550

Recommended consumables to be supplied by user

Screw cap micro tube 1.5 ml, cat. no. 72.687 (www.sarstedt.com)

For up-to-date 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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