

Q Protocol

QIAgility™ assay setup protocol using HotStarTaq® DNA Polymerase

Q Protocol description

- End-point PCR setup for 3 different targets
- Up to 31 different samples
- dNTP mix starting concentration = 10 mM (10 mM of each dNTP)
- Primer starting concentration = 10 μ M
- Primer final concentration = 0.4 μ M
- Q-Solution® is not used

Assay setup

Liquid	Volume (μ l)
Master mix	45
Sample	5
Total reaction volume	50

Liquid	Number
Samples	Up to 23
Targets	4
Replicates	1
No template controls	1
Reactions	96



Worktable setup

Liquid	Plates/tubes
Samples	PCR tubes, 0.2 ml
Reactions	96-well PCR plate, 0.2 ml
Reagent	Use tubes supplied with kit*
RNase-free water	5 ml Tube; Graduated, Flat-Base
Final master mixes	Micro tube 2.0 ml Safety Cap
Primer solutions	Micro tube 1.5 ml Safety Cap

* 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 and the *HotStarTaq PCR Handbook*.

Ordering information

Product	Contents	Cat. no.
HotStarTaq DNA Polymerase (250 U)*	250 units HotStarTaq DNA Polymerase, 10x PCR Buffer, 5x Q-Solution, 25 mM MgCl ₂	203203
HotStarTaq DNA Polymerase (1000 U)*	4 x 250 units HotStarTaq DNA Polymerase, 10x PCR Buffer, 5x Q-Solution, 25 mM MgCl ₂	203205
HotStarTaq DNA Polymerase (5000 U)*	1 x 5000 units HotStarTaq DNA Polymerase, 1 x HotStarTaq Buffer Set (1 x 22 ml PCR Buffer, 1 x 40 ml Q-Solution, 1 x 22 ml MgCl ₂)	203207
HotStarTaq DNA Polymerase (25000)*	100 x 250 units HotStarTaq DNA Polymerase, 100 x 1.2 ml HotStarTaq Buffer Set, 100 x 2.0 ml Q-Solution, 100 x 1.2 ml MgCl ₂	203209
5 ml Tube; Graduated, Flat-Base	Bag of 50; for holding diluent on the instrument worktable; graduated, flat-base design with a tapered internal profile; screw cap included	990552

* Visit www.qiagen.com for more detailed information about HotStarTaq DNA Polymerase.

Consumables to be supplied by user

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

Micro tube 2.0 ml Safety Cap, cat.no. 72.695 (www.sarstedt.com)

0.2 ml PCR tubes (Strips of 8) e.g., Thermo cat.no. AB-0451 (www.abgene.com)

PCR plate, non-skirted e.g., Thermo cat.no. AB-0600 (www.abgene.com)

The QIAgility is intended for molecular biology applications. This product is neither intended for the diagnosis, prevention, or treatment of a disease, nor has it been validated for such use either alone or in combination with other products.

HotStarTaq DNA Polymerase is intended for research use. No claim or representation is intended to provide information for the diagnosis, prevention, or treatment of a disease.

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www.qiagen.com

Canada = 800-572-9613

China = 0086-21-3865-3865

Denmark = 80-885945

Finland = 0800-914416

France = 01-60-920-930

Germany = 02103-29-12000

Hong Kong = 800 933 965

Ireland = 1800 555 049

Italy = 800-787980

Japan = 03-6890-7300

Korea (South) = 1544 7145

Luxembourg = 8002 2076

Mexico = 01-800-7742-639

The Netherlands = 0800 0229592

Norway = 800-18859

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Sample & Assay Technologies