

Smart Quant Green Master Mix with dUTP & ROX

Cat# PT-GL-SQGR -V2

Description:

The Smart Quant Green Master Mix is a HotStart Master Mix for SYBR Green I real-time PCR assay. The master mix contains SYBR Green I, HotStart DNA polymerase, optimized reaction buffer, 4 mM (final concentration) MgCl₂, nucleotides (including dUTP) and ROX passive reference.

Supplied Reagent: 5 tube of 1.0 ml Master Mix; 1 tube of 0.5 ml 25mM MgCl₂.

Storage:

Store all components at 4°C for at least 12 months.

Usage:

A typical 50 µl PCR would contain the following:

Component	Final MgCl ₂ Concentration (mM)		
	4.0 (mM)	4.5 (mM)	5.0 (mM)
	Volumn		
Smart Quant Green Master Mix	25 µl	25 µl	25 µl
MgCl ₂ (25mM)	0	1 µl	2 µl
Forward Primer (1 µM)	5 µl	5 µl	5 µl
Reverse Primer (1 µM)	5 µl	5 µl	5 µl
Temple	x µl	x µl	x µl
H ₂ O	15-x µl	14-x µl	13-x µl
Total	50 µl	50 µl	50 µl

Typical cycling conditions for this kit are:

HotStart activation	15 min, 95 °C
40 Cycles	15 sec, 95 °C 1 min, 60 °C
1 Cycle	Melt
Hold	25 °C, forever

For Research Using Only.

Please do not hesitate to contact us if you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co., Ltd.

TEL : +886-2-2655-7677 / FAX : +886-2-2655-7601 / Toll Free : 0800-231-530

E-MAIL: service@bio-protech.com.tw ; tech@bio-protech.com.tw

WEB: <http://www.bio-protech.com.tw>