

## Smart Quant Green Master Mix with dUTP & Low ROX

Cat# PT-GL-SQGLR-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) MgCl<sub>2</sub> and nucleotides (including dUTP) and low concentration ROX passive reference

**Supplied Reagent:** 5 tube of 1.0 ml Master Mix; 1 tube of 0.5 ml 25mM MgCl<sub>2</sub>.

### 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 <sub>2</sub> Concentration (mM)		
	4.0 (mM)	4.5 (mM)	5.0 (mM)
	Volumn		
Smart Quant Green Master Mix	25 µl	25 µl	25 µl
MgCl <sub>2</sub> (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 <sub>2</sub> O	15-x µl	14-x µl	13-x µl
<b>Total</b>	<b>50 µl</b>	<b>50 µl</b>	<b>50 µl</b>

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.*

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