



>2X Quantitative Master Mix Probes

2X Quantitative Master Mix SYBR Green, is a 2X premixed, ready-to-use solution (Genespin proprietary formulation) containing Xtra Taq Pol, dNTPs, MgCl₂ and stabilizers optimized for use in real time PCR amplification.

<i>cat. no.</i>	<i>amount</i>	<i>note</i>
QSTS-MMix200	5ml	2X conc.
QSTS-MMix500	12.5ml	2X conc.
QSTS-MMix1000	25ml	2X conc.

FOR RESEARCH USE ONLY

SHIPPING

Shipped in green ice.

STORAGE

Store at -20C°

avoid freeze/thaw cycles, store dark

Storage at 4 °C for up to 3 months possible.

SHELF LIFE

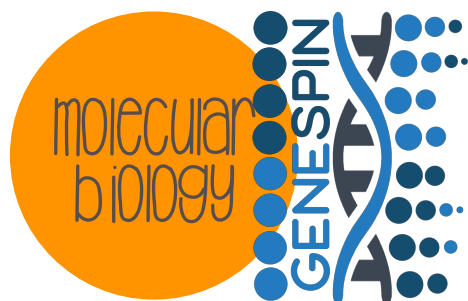
12 months

FORM

liquid

CONCENTRATION

2X



DATA SHEET

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Assay Set-Up:

Before starting, vortex all components thoroughly to ensure homogeneity.

Prepare a premix for the number of assays you need according to the following protocol:

component	stock conc.	final conc.	20ul reaction	50ul reaction
2X Master Mix	2X	1X	10.0ul	25.0ul
primer for	10uM	100-400 nM	0.2 - 0.8 ul	0.5 - 2.0 ul
primer rev	10uM	100-400 nM	0.2 - 0.8 ul	0.5 - 2.0 ul
DNA Template	-	-	< 500ng	< 500ng
MG Water	-	-	up to 20ul	up to 50ul

Cycling conditions:

Spin down the tubes/plate briefly to remove bubbles and place them into the cycler.

denaturation	95°C	5 min	1x
denaturation	95°C	10 sec	20-35x
annealing (1) and extension	55-68°C	30 sec	

- 1)The annealing temperature depends on the melting temperature of the primers used.
- 2)The elongation time depends on the length of the fragments to be amplified. A time of 1 min/kb is recommended.