

qNTQX® C64P1 TaqMan Multiplex qPCR Kit

Cat. no. LM602009

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Product Specification

Product	qNTQX® C64P1 TaqMan Multiplex qPCR Kit
Catalog No.	LM602009
Storage conditions	Store at –20 °C with a shelf life of 1 year.
Hot Start	Built-in hot start

Product Description

qNTQX® C64P1 TaqMan Multiplex qPCR Kit is a fluorescent quantitative assay that utilizes the company's next-generation antibody-based hot-start Taq enzyme. It includes 5× buffer, Mg²⁺, dNTPs, and hot-start Taq polymerase, significantly enhancing the flexibility of assay optimization. The buffer contains factors that effectively suppress nonspecific PCR amplification and enhance the efficiency of multiplex qPCR reactions, ensuring primer efficiency while allowing for up to four-fold reactions.

Components

Product	Catalog No.	Specification
qNTQX® C64P1 TaqMan Multiplex qPCR Kit	LM602009ES03	100 T
	LM602009ES08	1,000 T
	LM602009ES60	10,000 T

Comp. No.	Components Name	LM602009ES03 (100 T)	LM602009ES08 (1,000 T)	LM602009ES60 (10,000 T)
LM602009-A	5× TaqMan qPCR buffer	500 µL	5 mL	50 mL
LM602009-B	100 mM MgCl ₂	200 µL	2 × 1 mL	20 mL
LM602009-C	10 mM dNTP	100 µL	1 mL	10 mL
LM602009-D	HS D-Taq (5 U/µL)	60 µL	600 µL	6 mL

Instructions

1. Reaction System

Components	Volume (µL)	Final Concentration
5× TaqMan qPCR buffer	5	1×
100 mM MgCl ₂	x	2–8 mM
10 mM dNTP	0.5	0.2 mM
Primer mix (10 µM)	x	0.1 µM–0.5 µM
Probe mix (10 µM)	x	50 nM–250 nM
HS D-Taq (5 U/µL)	0.6	0.12 U/µL

Components	Volume (μL)	Final Concentration
Template	1-10	—
ddH ₂ O	up to 25	—

Note: Compatible with ABI 7500 model.

2. Reaction Program

Cycle step	Temp.	Time	Cycles
Initial denaturation	95 °C	5 min	1
Denaturation	95 °C	15 s	45
Annealing/Extension	60 °C	30 s	

Note: Annealing/extension temperature can be adjusted according to experimental requirements.

Notes

1. For your safety and health, wear lab coats and disposable gloves during operation.