



Product Information

Product name	Lolina® L2 TaqMan Multiplex qPCR Probe Kit
Cat.No.	NaM602008
Size	100T/1000T /10000T
Storage and shipping	1. Shipping and Storage Instructions: The product is shipped with ice packs. 2. Store at -20°C. The product is stable for 24 months.
Application equipment	Applied Biosystems: 5700, 7000, 7300, 7700, 7900HT Fast, StepOne™, StepOne Plus™, 7500, 7500 Fast, ViiA™7, QuantStudio™ 3 and 5, QuantStudio™ 6,7, 12k Flex; Bio-Rad: CFX96, CFX384, iCycler iQ, iQ5, MyiQ, MiniOpticon, Opticon, Opticon 2, Chromo4; Eppendorf: Mastercycler ep realplex, realplex 2 s; Qiagen: Corbett Rotor-Gene Q, Rotor-Gene 3000, Rotor-Gene 6000; Roche Applied Science: LightCycler 480, LightCycler 2.0; Lightcycler 96; Stratagene: MX3000P™, MX3005P™, MX4000P™; Thermo Scientific: PikoReal Cyclers; Cepheid: SmartCycler; Illumina: Eco qPCR.

Product description

Lolina® L2 TaqMan Multiplex qPCR Probe Kit is a fluorescence-based quantitative PCR (qPCR) reagent that utilizes the company's next-generation antibody-mediated hot-start Taq enzyme. The 2× reaction buffer contains Mg²⁺ and dNTPs, along with factors that effectively inhibit non-specific PCR amplification and enhance the efficiency of multiplex qPCR reactions. This allows for up to fourplex reactions while ensuring primer efficiency.

Components

Components No.	Components Name	Size		
		100T	1000T	10000T
NaM602008-A	2×TaqMan qPCR buffer	1.25 mL	12.5 mL	125 mL
NaM602008-B	Hotstart D -Taq (5 U/uL)	60 μL	600 μL	6 mL

Operate

qPCR reaction System

Components	Volume μL	Final Conc.
2× TaqMan qPCR buffer	12.5	1 ×
Hotstart D-Taq (5 U/μL)	0.6	0.12 U/μL
Primer mix (10 μM)	x	0.1 μM-0.5 μM
Probe mix (10 μM)	x	50 nM-250 nM
DNA/cDNA template	1-10	-
ddH ₂ O	Up to 25	-

[Note]: Primer concentration and DNA amount can be adjusted according to experimental requirements.

Reaction program

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

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

Notes

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