

Add-Probe Taq Master (2x Conc.)

Research Use Only

Product Code

72401

Component

1. Add-Probe Taq Master (2x conc.) 1.0 ml

Storage Condition

Store at -20°C

Description

Add-Probe Taq Master (2x conc.) provides sensitive and easy-to-use components which contain all the reagents for real time PCR by using TaqMan®, and is designed for high sensitivity and specificity on various real-time instruments.

Components of Add-Probe Taq Master as 2x conc.

20mM Tris-HCl (pH8.8), 100mM KCl, 0.2% Triton® X-100, 5mM MgCl₂. Protein stabilizer and 0.5mM each of dATP, dCTP, dGTP, and dTTP

Storage and Stability

Add-Probe Taq Master is stable for 2 years when stored in a constant temperature freezer at less than -20°C.

Made in KOREA

This product was manufactured through ISO 9001 & 13485 system.

Nucleic Acid Amplification Protocol

1. Add the following components to a thin-walled PCR tube:

Nuclease-Free Water	x μ l
Add-Probe Taq Master (2x conc.)	10 μ l
Forward primer (10 μ M)	0.25~2.0 μ l
Reverse primer (10 μ M)	0.25~2.0 μ l
TaqMan Probe (10 μ M)	0.25~2.0 μ l
(Optional) 50x ROX dye	x μ l
DNA template (0.01 ng ~ 1 μ g)	x μ l
Total reaction volume	20 μ l

2. PCR cycling

Initial Denaturation	95°C, 10 min
PCR Cycling (35– 45cycles)	95°C, 10 sec 60°C, 30 – 60 sec

[Note] 50x ROX dye

ROX dye can be included in the reaction to normalize the fluorescent reporter signal, for instruments which are compatible with that option.

50x ROX is a 25 μ M concentration. Use the following table to determine the amount of ROX to use with a particular instrument.

Instrument	Final ROX concentration
AB 7000, 7300, 7700, 7900HT, 7900 Fast, StepOne and StepOnePlus	500 nM
AB 7500, 7500 Fast, Stratagene Mx3000P, Mx3005P and Mx4000	50 nM