

AddGreen qPCR Master (2x conc.)

Product Information

Product Code 72501

Provided with AddGreen qPCR Master (2x conc.) 1.0 mL

Storage Conditions -10°C ~ -30°C

Stability Stable for 2 years from manufacturing date.

Components of AddGreen qPCR Master

AddStart Taq DNA Polymerase, Tris-HCl (pH8.5), Potassium Chloride, Ammonium Sulfate, MgCl₂, Intercalating dye (AddGreen I), Protein stabilizer and dNTP mixture.

Description

AddGreen qPCR Master (2x conc.) is a high-performance reagent designed for high sensitivity and specificity on various real-time instruments.

This Master Mix consists of the AddStart Taq DNA Polymerase and all the components necessary for real-time PCR, including the AddGreen dye, dNTPs mixture, protein stabilizers, Intercalating dye (AddGreen I) and enhancers.

Applications

- Quantitative real-time PCR
- Gene expression analysis
- Genetic variation analysis

Nucleic Acid Amplification Procedure

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

Nuclease-Free Water	x µl
2x AddGreen qPCR Master (2x conc.)	10.0 µl
Forward primer (10 µM)	0.25 ~ 2.0 µl
Reverse primer (10 µM)	0.25 ~ 2.0 µl
(Optional) 50x ROX dye	x µl
DNA template	x µl
Total reaction volume	20 µl

2. PCR cycling

Initial denaturation	95°C, 5 - 10 min
PCR cycling (30 - 40 cycles)	95°C, 15 - 30 sec
	55 - 65°C, 15 - 30 sec
	72°C, 30 - 60 sec
Melting analysis	60°C → 90°C

[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 µM 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

Manufacture

애드바이오메디텍

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