AddGenotype qPCR Master (2x conc.)

Product Information

Product Code 78520

Provided with AddGenotype qPCR Master (2x conc.) 1.0 mL x 5 tubes

Storage Conditions -10°C ~ -30°C

Stability Stable for 2 years from manufacturing date.

Components of AddGenotype qPCR Master (2x conc.)
AddStart Taq DNA Polymerase, Tris-HCl (pH8.8), Potassium Chloride, Ammonium Sulfate, $MgCl_2$, Protein stabilizer and dNTP mixture.

Description

AddGenotype qPCR Master is a ready - to - use mixture with AddStart Taq DNA Polymerase, reaction buffer with $MgCl_2$, dNTPs, PCR enhancer and dNTP mixture for TaqMan Probe based real - time PCR.
Especially this Master is optimized qPCR Master for genotyping by TaqMan probe based qPCR.

Applications

- Genotype Analysis by TaqMan Probe based Real - time PCR

Nucleic Acid Amplification Procedure

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

Nuclease-Free Water	x µl
AddGenotype qPCR Master (2x conc.)	10 µl
Forward primer (10 µM)	0.25 ~ 2 µl
Reverse primer (10 µM)	0.25 ~ 2 µl
TaqMan Probe (10 µM)	0.25 ~ 2 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 (35 - 45 cycles)	95°C, 10 - 30 sec
	60 - 65°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 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

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