2X Magic Probe Mix

for research use only

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Description

2X Magic Probe Mix is an allround-qPCR Mix for probe-based detection optimized for a broad range of applications.

Features:

- HotStart for maximum control over the reaction start
- dUTP/dTTP blend to enable UNG digestion (eliminating contamination from PCR products)
- universal ROX concentration suitable for all PCR machines
- improved performance in the presence of PCR inhibitors.

Product	Size	SKU
2X Magic Probe Mix	2 ml	PCCSKU1109
	5 ml	PCCSKU1110

Additional Materials Required

- Nuclease-free PCR tubes or plates and suitable sealing options
- Real-time PCR cycler
- PCR Primer
- Template DNA and control DNA standards
- Filter pipette tips
- Sterile, nuclease-free, DNA-free tubes for preparing the reaction mix
- *(Optional) Uracil-N Glycosylase (UNG)*

Storage

Store all components at -20°C and avoid repeated freeze and thaw cycles.

Reaction Setup

- Before starting the reaction setup, thaw *2X Magic Probe Mix* and mix thoroughly but gently to ensure even distribution of components.
- *(Optional) Perform an UNG digestion according to the manufacturer's instructions.*
- Dilute your standard DNA and experimental samples with nuclease-free water to the desired concentrations and add them to their designated wells in the multi-well plate. For negative control, add nuclease-free water. Keep the plate on ice until further use.

Component	Volume	Final Concentration
2X Magic Probe Mix	10 µl	1X
Template DNA	X µl	max. 2 µl
Forward primer (10 µM)	0.4 µl	0.05 – 0.9 µM each
Reverse primer (10 µM)	0.4 µl	0.05 – 0.9 µM each
Probe (10 µM)	0.2 µl	0.1 µM each
Nuclease-free dH_2O	X µl	to 20 µl

Recommended qPCR Protocol

Step	Cycles	Temperature	Time
Initial Denaturation	1	95°C	5 minutes
Amplification	50	95°C	10 seconds
		57-60°C	90 seconds

Quality Management System Certified
ISO 9001:2015
EN ISO 13485:2016