AMPIGENE® qPCR 1-Step Probe Kit Lo-ROX

Optimized and efficient cDNA synthesis and probe-based qPCR in a single tube

AMPIGENE® qPCR 1-Step Probe Kits use the latest developments in reverse transcriptase (RTase) technology and buffer chemistry for efficient cDNA synthesis and qPCR in a single tube.

The modified MMLV RTase is blended with RNase inhibitor to prevent degradation of RNA by contaminating RNase. The RTase is thermostable and extremely active.

AMPIGENE® qPCR 1-Step Probe Kits are designed for use on a variety of probes including: Taqman®, Molecular Beacons®, and Scorpion probes®. An optimized buffer system allows efficient amplification and proprietary enhancers prevent the formation of primers/dimers to increase sensitivity and specificity.

ROX is a reference dye which is used to normalize fluorescent signal in qPCR. AMPIGENE® qPCR 1-Step Probe Kits come with either Lo-ROX, Hi-ROX, or No-ROX concentration. For Hi-ROX and No-ROX, see Prod. Nos. ENZ-NUC111 and ENZ-NUC112. Choose the appropriate ROX concentration for the instrument (see instrument compatibility for reference dye chart below.)

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Manuals, SDS & CofA View Online »

- Convenient one tube reaction
- Thermostable and extremely active RTase
- For probe-based qPCR applications: Designed for used on a wide range of probe technologies
- Optimized buffer system for efficient amplification
- Enhancers and stabilizers improve reaction sensitivity and specificity

INSTRUMENT COMPATIBILITY
For Reference Dye

Manufacturer	Instrument	Lo-ROX	Hi-ROX	No-ROX
Analytica Jena	qTower	Yes	Yes	Yes
Applied Biosystems	7500, 7500 FAST, Viia7™	Yes	No	Yes
Applied Biosystems	7000, 7300,7700,7900, 7900HT, 7900HT FAST, StepOne™, StepOne™ Plus	No	Yes	No
Bio-Rad®	iCycler®, MyiQ®, iQ ™5, Opticon™, Opticon™2, Chromo4™, MiniOpticon™, CFX96™, CFX384™	Yes	No	Yes
Cepheid®	Smartcycler®	Yes	Yes	Yes
Eppendorf	Mastercycler® ep realplex, Mastercycler® realplex 2S	Yes	Yes	Yes
Illumina®	Eco™	Yes	Yes	Yes
Qiagen/Corbett	Rotor-Gene™ 3000, 6000, Q	Yes	Yes	Yes
Roche Applied Science	Lightcycler®480, Lightcycler®Nano	Yes	Yes	Yes
Stratagene (Agilent)	MX 4000P®, MX 3000P®, MX 3005P®	Yes	No	Yes
Takara	Cycler Dice®	Yes	Yes	Yes
Techne	Quantica®	Yes	Yes	Yes

Instrument compatibility for ROX dye.

Handling & Storage

Long Term Storage -20°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application PCR

Application Notes For cDNA synthesis and probe-based qPCR in a single tube

Contents 2x AMPIGENE® qPCR 1-Step Probe Mix Lo-ROX (includes dNTPs and polymerases)
20x RTase (with RNase inhibitor)

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