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Arraystar™ Predesigned Primer Sets

Cat#: AS-NR-001-1-M

Cat#: AS-NR-002-1-M

Cat#: AS-NR-003-1-M

Cat#: AS-NR-004-1-M

Cat#: AS-NM-001-1-M

Cat#: AS-NM-002-1-M

Instruction Manual version 1.0

Product Description

Arraystar supplies a series of pre-designed PCR primers for the accurate quantification of many RNA biotypes (includes tRNA, snoRNA, lncRNA, and mRNA) in qPCR. The primers have been rigorously tested and validated experimentally across numerous human culture cell lines and tissues.

Kit Components

Kit components	Amounts	Storage	Shipping
Arraystar Predesigned Primer Sets	1.2 nmol	-20°C	Dry ice

Store at -20°C upon receipt. The contents are stable for at least 6 months.

Additional Required Materials

- Thermal cycler
- Real time qPCR instrument
- RNase-free 200 µl PCR tubes
- Pipettors and tips

Protocol

1. Reconstitute the qPCR Primer Mix with 120 Nuclease-free Water to a final concentration of 10 µmol.

Note: Store unused qPCR Primer Mix at -20°C

2. Mix the following components to prepare the qPCR Master Mix.

cDNA template	___ µL
qPCR Primer Mix	1.0 µL
SYBR Green Master Mix	5.0 µL
Nuclease-free Water	___ µL
Total volume	10.0 µL

3. Running Real-Time PCR Detection.

Cycles	Temperature	Time
1	95 °C	10 minutes
40	95 °C	10 seconds
	60 °C	1 minute
Melting curve analysis		