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Arraystar™ Predesigned Primer Sets

Cat#: AS-NR-001-1-M
Cat#: AS-NR-001H-1-M
Cat#: AS-NR-001M-1-M
Cat#: AS-NR-002-1-M
Cat#: AS-NR-002M-1-M
Cat#: AS-NR-004-1-M
Cat#: AS-NR-004M-1-M

Instruction Manual version 2.0

Product Description

Arraystar supplies pre-designed PCR primers for the accurate quantification of human and mouse tRNA in qPCR. The primers have been rigorously tested and validated experimentally across numerous culture cell lines and tissues.

Kit Components

Kit components	Amounts	Storage	Shipping
Arraystar Predesigned Primer Sets	200 reactions	-20°C	Blue ice or RT

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 240 µL Nuclease-free Water to a final

concentration of 10 µM.

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		