



Fast Probe RT-qPCR Bead, UNG Kit

Product Number: PCK66-96T

Shipping and Storage

Transported at 2~25°C, stored at 2~25°C. The product has a validity period of 12 months.

Component

Component	PCK66
FS RT-qPCR Master Mix(Lyophilized beads)	96T

Description

FS RT-qPCR Master Mix (Lyophilized beads) is a RT-qPCR reagent specifically designed for RNA, suitable for single or multiplex quantitative PCR detection using RNA as a template. This product uses UDG-dUTP for contamination prevention, effectively reducing the risk of aerosol contamination from amplification products. It is compatible with fast protocols, which can shorten detection time.

This product contains reaction buffer, RT-Enzymes Mix, lyophilization protector components. The reaction buffer contains Mg^{2+} , dNTP and other components necessary for amplification. The product is lyophilized in pellet form, and only primers, probe and templates need to be added for use.

Protocol

- Remove the corresponding number of lyophilized powder from the bottom of the tube according to the number of tests.
- Prepare reaction mix:

Component	Volume
FS RT-qPCR Master Mix(Lyophilized beads)	One piece
10×primer probe Mix	2.5μL
Target DNA/ RNA	22.5μL

Amplification Program

- Standard Reaction Program:

Step	Temperature	Time
Reverse Transcription	55°C	15min
Pre-denaturation	95°C	1min
Cycle 45×	95°C	10s
	60°C	30s

- Fast Reaction Program:

Step	Temperature	Time
Reverse Transcription	55°C	15min
Pre-denaturation	95°C	1min
Cycle 45×	95°C	5s
	60°C	15s

Note

- Use DNase/RNase-free consumables during the experiment.
- Salt may appear in the bottom of the buffer tube, vortex briefly or invert tubes several times to mix thoroughly at room temperature.

For Research Use Only



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3. The experiment shall be conducted in a standardized manner, including the preparation of reaction system, sample treatment and sample addition.
4. It is suggested to prepare reaction system in the ultra-clean table and add templates in the fume hood of other rooms to avoid false.