

## Hot Start rTth (DNA) Kit

Code No. HSTTH-301

Lot No. \*\*\*\*\*

Size 250 units

Content : 4 U/  $\mu$ l Hot Start rTth DNA Polymerase 62.5  $\mu$ l  
2x Buffer for rTth/ TTx (DNA) 2x 1.25 ml

Unit Definition : One unit is the amount of enzyme that incorporates 10 nmoles of total nucleotides into acid precipitable form in 30 minutes at 75 °C.

### Quality Control

1. Functional test : Hot Start TTH (DNA) Kit is tested for functional performance by amplifying from dilutions of enterovirus RNA, mumpsvirus RNA or no-template in combination with RT Enzyme Mix in THUNDERBIRD™ Probe One-step qRT-PCR Kit (Code. QRZ-101).

The slopes from both analyses are as follows:

$$-3.74 \leq \text{slope} \leq -3.01$$

The correlation coefficients from both analyses are as follows:

$$r \leq -0.980$$

The Ct value of no-template control is  $\geq 40.0$  or Undetermined.

The 24.4 copies of both viral RNAs are detectable.



manual

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