

BlueKit[®]

E.coli Residual Total RNA Detection Kit (RT-PCR)

Overview

Cat.No. HG-ER001

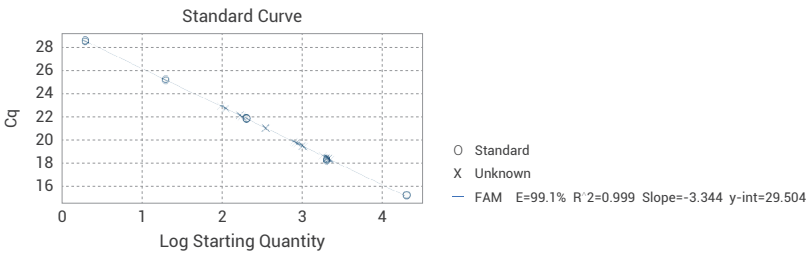
This kit is designed for the quantitative detection of residual E.coli total RNA in various biological products to improve control quality of nucleic acid.

This kit adopts the principle of the RT-PCR fluorescent probe, combining reverse transcription PCR technology and fluorescent probe method, to realize one-step quantitative detection.

Specification

- Assay range: 2.00~2.00×10⁴ fg/μL
- Limit of quantitation: 2.00 fg/μL
- Limit of detection: 0.50 fg/μL
- Precision: CV% ≤ 15%

Standard curve



Datasheet

Concentration (fg/μl)	Log ₁₀ Concentration	Ct Value(1)	Ct Value(2)	Ct Value(3)	Ct Mean Value	Recovery rate
2.00E+04	4.30	15.30	15.23	15.21	15.24	0.30%
2.00E+03	3.30	18.39	18.28	18.18	18.28	0.56%
2.00E+02	2.30	21.86	21.82	21.78	21.82	0.18%
2.00E+01	1.30	25.22	25.22	25.09	25.18	0.31%
2.00E+00	0.30	28.55	28.58	28.43	28.52	0.29%
Amplification efficiency						99.1%