



## **16. Total RNA Extraction from Bacteria**

RF-1

## Total RNA Extraction from *E. coli*

### Protocol

Pelleted cultured *E. coli* in micro tubes



← Lysozyme (0.4 mg/ml) \*1 : 100  $\mu$ l

Vortexing (maximum speed) : 15 sec

Flash spin down



Incubation : 5 min, RT



← LRT (addition of 2-ME) \*2 : 350  $\mu$ l

Vortexing (Maximum speed) : 1 min

Flash spin down



For the *E. coli* fragment, centrifuge for 2 min



Transfer supernatant into a new tube



← 70% ethanol : 250  $\mu$ l

Vortexing (maximum speed) : 1 min

Flash spin down



Lysate



Transfer all contents of the micro tube into the cartridge of QuickGene



Refer to the extraction protocol for each device written in the kit handbook.  
(from the step after transferring the lysate into the cartridge)



Total RNA  
(Elution volume : 100  $\mu$ l)

\*1 Dissolved in TE

\*2 Add 10  $\mu$ l of 2-ME per 1 ml of LRT.

### Results

No Data

### Common protocol is usable for the following

No Data