16. Tota	I RNA Extraction	n 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 μl

Vortexing (maximum speed): 15 sec

Flash spin down

Incubation : 5 min, RT

LRT (addition of 2-ME) \*2 : 350 µl

→ 70% ethanol : 250 µl

Vortexing (Maximum speed): 1 min

Flash spin down

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

Transfer supernatant into a new tube

Vortexing (maximum speed): 1min

vortoxing (maximam opoca) -

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)



\*1 Dissolved in TE

 $^{*}2\,$  Add 10  $\mu I$  of 2-ME per 1 ml of LRT.

## Results

No Data

## Common protocol is usable for the following

No Data

Depending on sample and storage conditions, nucleic acid may not be extractable. Therefore, we cannot guarantee accurate data.

The extracted nucleic acid contains unintended acid (ex: when extracting DNA, RNA is also extracted).

