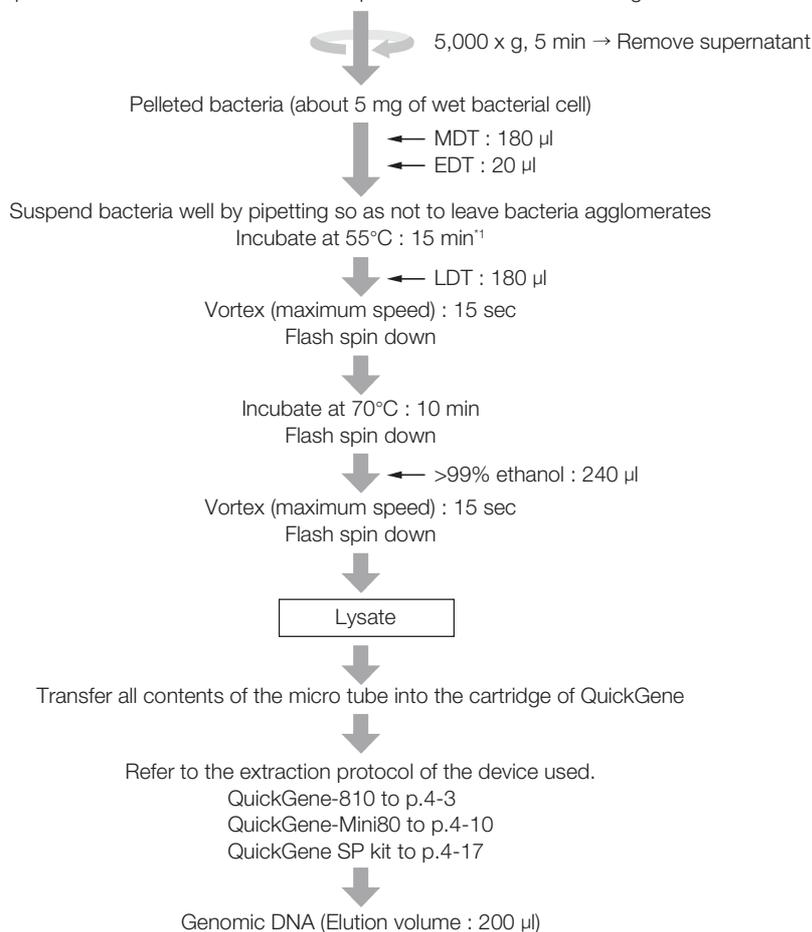


# Genomic DNA Extraction from Gonococcal Bacteria (*Neisseria gonorrhoeae*)

## Protocol

Suspension of bacteria harvested from liquid medium after culture or agar medium

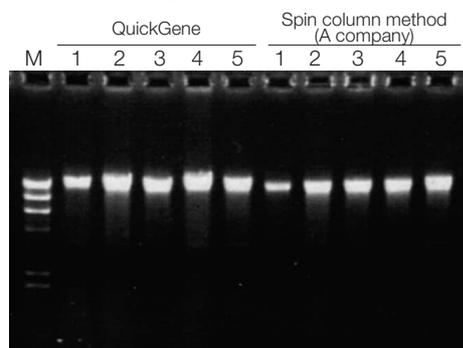


\*1 If bacteria agglomerates remain at this time, break them by pipetting and incubate again.

## Results

Bacterial strain : Clinical isolates No.1 ~ 5  
extracted from about 4.5 ~ 6 mg of each wet fungi

### Electropherogram



Electrophoresis condition : 1.5% agarose / 1 x TAE

M :  $\lambda$ -Hind III  
1 : Bacterial strain No.1  
2 : Bacterial strain No.2  
3 : Bacterial strain No.3  
4 : Bacterial strain No.4  
5 : Bacterial strain No.5

No decomposition was detected for extracted genomic DNA.

### The yield of genomic DNA

| sample                         | No.1   | No.2   | No.3    | No.4    | No.5   |
|--------------------------------|--------|--------|---------|---------|--------|
| QuickGene                      | 8.5 µg | 7.1 µg | 11.2 µg | 11.0 µg | 7.3 µg |
| Spin column method (A company) | 3.2 µg | 6.6 µg | 5.8 µg  | 6.5 µg  | 4.6 µg |

### Protein contamination : A260/280

| sample                         | No.1 | No.2 | No.3 | No.4 | No.5 |
|--------------------------------|------|------|------|------|------|
| QuickGene                      | 1.97 | 2.06 | 2.39 | 2.03 | 2.04 |
| Spin column method (A company) | 2.11 | 2.05 | 2.46 | 2.00 | 2.05 |

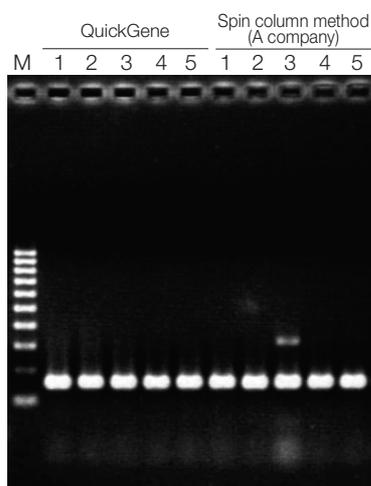
### Chaotropic salt contamination : A260/230

No Data

### Other

#### • PCR

ParC gene in subunit of topoisomeraseIV as target of fluoroquinolone antibacterial agent was detected by PCR for genomic DNA extracted using QuickGene system and Spin column method (A company).



Electrophoresis condition : 2% agarose / 1 x TAE

M : 100 bp DNA Ladder

1 : Bacterial strain No.1

2 : Bacterial strain No.2

3 : Bacterial strain No.3

4 : Bacterial strain No.4

5 : Bacterial strain No.5

PCR products were detected for each genomic DNA.

## Common protocol is usable for the following

*Helicobacter pylori*, *Pseudomonas aeruginosa*