7. Genomic DNA Extraction from Insect

QuickGene

QuickGene DNA tissue kit S (DT-S)
QuickGene SP kit DNA tissue (SP-DT)

DE-1

Genomic DNA Extraction from Lice

Protocol

2 ml micro tubes

↓ ← Lice : 1 piece
↓ ← MDT : 180 µl
↓ ← EDT : 20 µl

Homogenize : Ball mill homogenizer

Incubate for 1 hour on Rotary Shaker at 55°C, and dissolve the tissue completely

↓ 10,000 rpm, 3 min, RT

Transfer the supernatant to 1.5 ml micro tube

↓ ← LDT : 180 µl

Mix thoroughly by vortexing for 15 sec

Flash spin down

↓

Incubation at 70°C : 10 min

Flash spin down

↓ ← >99% ethanol : 240 µl

Mix thoroughly by vortexing for 15 sec

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)

↓

Genomic DNA (Elution volume : 200 µl)

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).

KURABO

DE-2

Genomic DNA Extraction from Mite

Protocol

2 ml micro tubes

↓ ← Whipped mite
↓ ← MDT : 180 µl
↓ ← EDT：20 µl

Incubate for over night on Rotary Shaker at 55°C, and dissolve the tissue completely

↻ 10,000 rpm, 3 min, RT

Transfer the supernatant to 1.5 ml micro tube

↓ ← LDT：180 µl

Mix thoroughly by vortexing for 15 sec

Flash spin down

↓

Incubate at 70°C：10 min

Flash spin down

↓ ← >99% ethanol：240 µl

Mix thoroughly by vortexing for 15 sec

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)

↓

[Genomic DNA
(Elution volume : 200 µl)]

Results

No Data

Common protocol is usable for the following

No Data

Depending on sample and storage conditions, nucleic acid may not be extractable.
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