7.	Genomic DN <i>A</i>	A Extraction f	rom Insect	



DE-1

Genomic DNA Extraction from Lice

Protocol

2 ml micro tubes

Lice : 1 pieceMDT : 180 μlEDT : 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

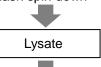


Incubation at 70°C: 10 min

Flash spin down

Mix thoroughly by vortexing for 15 sec

Flash spin down



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)



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).





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



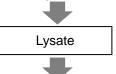
Incubate at 70°C: 10 min

Flash spin down

→ >99% ethanol: 240 μl

Mix thoroughly by vortexing for 15 sec

Flash spin down



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).





