

IQ Plus Operation Guide - Extraction Procedure

1

Add 500 µl Solution 1.

2

Sampling & grinding.

3

Add 500 µl Solution 2.

4

Spin 1 min
Transfer 500 µl supernatant to the column.

5

Spin 1 min
Discard the flow-through and add 500 µl Solution 2 to the column.

6

Spin 3 min
Discard the flow-through and transfer the column to a new tube.

7

Spin 1 min
Add 200 µl* Solution 3. (*400 µl for Hepatopancreas)

Continue to reaction procedure

Nucleic acid (NA) extract

*Please refer to IQ Plus Extraction Kit User Manual for the detail.

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8

Add 50 µl Premix Buffer into Premix tube.

9

* For IMNV: Incubate the NA extract at 95°C, 5 min before use.
NA extract Premix
Dip the inoculating loop into the NA extract. Then dip the inoculating loop into the Premix tube.

10

Mix & Spin down
Transfer 50 µl solution from Premix to R-tube, and cap the R-tube.

11

Spin 10 sec

Place the holder with R-tube(s) into POCKIT. Select 520nm+550nm. Press "Run".

Reaction completed in 1 hour

Results ready on the screen.

POCKIT 1.0 16:28:57 17-Mar-10
Reaction Complete!
Well # 1 2 3 4 5 6 7 8
520 nm + + + + + + +
550 nm + + + + + + +
Buzzer OFF

Interpretation:
#1- #4 & #8: Positive
#5- #7: Negative

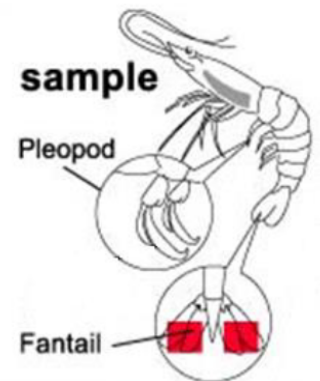
520 nm: pathogen signal
550 nm: internal control

*Please refer to IQ Plus User Manual for the detail.

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Sampling Instruction

Sample Type	Amount
Post Larvae (PL)	< PL6: 25-50 PLs ; PL6 to PL15: 10-30 PLs
Fantail	Shrimp 1-2 cm: 10 pieces ; Shrimp 2-4 cm: 5 pieces
Pleopod	Shrimp 4-7 cm: 10 pieces ; Shrimp 7-10 cm: 3 pieces Shrimp 10-15 cm: 1 pieces ; Shrimp 15-20 cm: 1/3 pleopod
Stomach	1 piece
Mid-Gut	1 cm
Hepatopancreas	10-25%
Fecal Sample	1 cm
Pond Water	1.5 ml pond water, first centrifuge at 13000 rpm or by cubee for 3 minutes. Discard the supernatant, then resuspend the pellet with 100 µl PBS.



2015/04

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