Full Manual(EN)

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Full Manual(KR)

EcoQprep™ Universal RNA Kit

K-3706

- 50 rxn

Name	Volume	Quantity
RD Buffer	30 mL	1 ea
RWMB1 Buffer	25 mL	1 ea
RWB2 Buffer	15 mL	1 ea
WE Buffer	40 mL	1 ea
ER Buffer	25 mL	1 ea
Magnetic Nanobead	6 mL	1 ea

Name	Volume	Quantity
1.5 mL Tube	50 ea	1 pack
One Page Protocol	-	1 ea

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One Page Protocol

Before Start

Components	Before Use	Storage
RD Buffer	Before each experiment, mix RD buffer with 10 µL of β-mercaptoethanol per 1 mL of RD buffer.	-
RWMB1 and RWB2 Buffer	As indicated on the bottle label, add the correct amount of absolute ethanol (not provided).	Room temperature
80% EtOH (Not provided)	80% EtOH is needed only for the drying bead method.	Room temperature

Symbol: Run centrifuge · Heating · Add the following solution · Caution

Protocol

NOTE It is recommended to vortex after adding the solution.

Sample	Pre-treatment ①	Lysis ②	Precipitation ③	Binding ④	1st Wash ⑤	2nd Wash ⑥	3rd Wash ⑦	Elution ⑧
Cultured Cells – Suspension cell culture	Cell pellet ~1x10^6 cells 300 xg, 5 min	⊕500 µL **RD**	⊕300 µL EtOH	⊕100 µL **Bead** 1) Attach magnet 2) Invert 3~4X 3) Discard sup 4) Detach magnet	⊕700 µL **RWMB1** 1) Attach magnet 2) Invert 3~4X 3) Discard sup 4) Detach magnet	⊕700 µL **RWB2** 1) Attach magnet 2) Invert 3~4X 3) Discard sup ❗ Do Not Detach magnet	**Perform either A or B** **A) Washing Bead** ⊕700 µL **WE** ❗ Add to the Opposite side of the beads 1) Gently invert 2X 2) Discard sup 3) Detach magnet For 1) ~ 3), refer to 1st and 2nd Wash **B) Drying Bead** ⊕700 µL 80% EtOH 1) Detach magnet 2) Attach magnet 3) Invert 3~4X 4) Discard sup 5) Detach magnet 6) 60℃, 5 min For 2) ~ 5), refer to 1st and 2nd Wash	⊕50 - 100 µL **ER** 60℃, 1 min 1) Attach magnet 2) Transfer the eluent
Cultured Cells – Monolayer cell culture	Direct harvest 1) Discard cell culture medium Trypsin harvest 1) Detach cells 2) 300 xg, 5 min							
Plant tissue	Tissue : ~100 mg 1) Grind in LN_2	⊕500 µL **RD** 60℃, 1~3 min full speed, 2 min Transfer the supernatant						
Animal tissue	Homogenize sample : 20 ~ 30 mg	⊕500 µL **RD** full speed, 3 min Transfer the supernatant						