Full Manual(EN)

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Full Manual(KR)

EcoQprep™ mRNA Kit

K-3708

- 50 rxn

Name	Volume	Quantity
MRD Buffer	30 mL	1 ea
MRW1 Buffer	40 mL	1 ea
MRW2 Buffer	50 mL	1 ea
MRW3 Buffer	50 mL	1 ea
EM Buffer	25 mL	1 ea
Magnetic Nano Bead-Oligo dT	3 mL	1 ea

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

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EcoQprep™ mRNA Kit

One Page Protocol

Before Start

Components	Before Use	Storage	Symbol
MRD Buffer	Before each experiment, mix MRD buffer with 1 µL of β-mercaptoethanol per 1 mL of MRD buffer.	Do not store the prepared solution; freshly prepare it for each experiment.	Run centrifuge Mix the solution as instructed Caution Heating Add the following solution
All reagents	MRD Buffer, MRW1 Buffer, MRW2 Buffer, MRW3 Buffer, EM Buffer, Magnetic Nano Bead-Oligo dT	After opening, store at 2-8°C	

Protocol

NOTE Do not vortex after adding the solution; mix by pipetting or inverting instead.

Sample	Pre-treatment & Lysis ①	Bead Wash ②	Binding ③	1st Wash ④	2nd Wash ⑤	3rd Wash ⑥	Elution ⑦
Cultured cells – Suspension cell culture	Cell pellet: ~1x10^6 cells 300 xg, 5 min ⊕300 µL **MRD** with β-mercaptoethanol	⊕50 µL **Bead** to a new tube. ⊕100 µL **MRD** with β-mercaptoethanol M by vortexing 1) Attach magnet 2) Discard sup 3) Detach magnet	⊕the **Lysate** to **the tube** containing **bead** M by pipetting 1) Attach magnet 2) Invert 3~4X 3) Discard sup 4) Detach magnet	⊕600 µL **MRW1** M by pipetting 1) Attach magnet 2) Invert 3~4X 3) Discard sup 4) Detach magnet	⊕300 µL **MRW2** M by pipetting 1) Attach magnet 2) Invert 3~4X 3) Discard sup 4) Detach magnet ⊕300 µL **MRW2** Repeat 1) ~ 3) **Do Not Detach magnet at the final step**	⊕700 µL **MRW3** M by pipetting **Add to the Opposite side of the bead** **Do Not Vortex** 1) Gently Invert 3~4X 2) Discard sup 3) Detach magnet	⊕15 - 20 µL **EM** M by pipetting 65℃, 2 min 1) Attach magnet 2) Transfer the eluent **Immediately transfer the eluent to a new tube.**
Cultured cells – Monolayer cell culture	A) Direct harvest Discard cell culture medium ⊕300 µL **MRD** with β-mercaptoethanol B) Trypsin harvest Detach cells 300 xg, 5 min ⊕300 µL **MRD** with β-mercaptoethanol						
Plant tissue	Tissue : ~20 mg Grind in LN_2 ⊕300 µL **MRD** with β-mercaptoethanol per 10 mg tissue full speed, 3 min Transfer the supernatant						
Animal tissue	Homogenize sample : ~10 mg ⊕300 µL **MRD** with β-mercaptoethanol full speed, 3 min Transfer the supernatant						

Ensure that no supernatant remains when discarding it, as any residual supernatant may affect the purity.