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EcoQprep™ Plant Genomic DNA Kit (V1)

- 50 rxn






K-3702

Name	Volume	Quantity	Name	Volume	Quantity
PL Buffer	20 mL	1 ea	Proteinase K powder, lyophilized	25 mg	1 ea
PC Buffer	15 mL	1 ea	RNaseA powder, lyophilized	24 mg	1 ea
PWM1 Buffer	25 mL	2 ea	Magnetic Nanobead	6 mL	1 ea
WB2 Buffer	10 mL	1 ea	1.5 mL Tube	50 ea	1 pack
WE Buffer	40 mL	1 ea	One Page Protocol	-	1 ea
EA Buffer	25 mL	1 ea			

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


















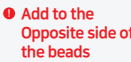






One Page Protocol

Before Start

Components	Before Use	Storage	Symbol	
PL Buffer	If precipitation occurs, incubate on a heating block at 60°C before use.	Room temperature	 Cooling down	 Caution
PWM1 Buffer and WB2 Buffer	As indicated on the bottle label, add the correct amount of absolute ethanol (not provided).	Room temperature		
EA Buffer	Pre-heat EA Buffer at 60°C before use.	Room temperature	 Heating	 Run centrifuge
Proteinase K	Dissolve in 1,250 µL of nuclease-free water.	Short-term : 4°C / Long-term : -20°C		
RNase A	Dissolve in 600 µL of nuclease-free water.	Short-term : 4°C / Long-term : -20°C	 Add the following solution	

Protocol

NOTE It is recommended to vortex after adding the solution.

Sample	Pre-treatment ①	Lysis ②	Precipitation ③	Binding ④	1 st Wash ⑤	2 nd Wash ⑥	3 rd Wash ⑦	Elution ⑧
Plant	Disrupt (or Homogenize) · Tissue: ~100 mg · Seed: ~50 mg	 300 µL PL  10 µL RNaseA  20 µL Proteinase K  60°C, 10 min	 100 µL PC  ice, 5 min  full speed, 5 min Transfer the cleared supernatant  PWM1 ; 2X vol of sup	 100 µL Bead 1) Attach magnet  2) Invert 3~4X  3) Discard sup  4) Detach magnet 	 500 µL PWM1 1) Attach magnet  2) Invert 3~4X  3) Discard sup  4) Detach magnet 	 700 µL WB2 1) Attach magnet  2) Invert 3~4X  3) Discard sup  	 700 µL WE  1) Gently invert 2X  2) Discard sup  3) Detach magnet 	 100 µL EA  60°C, 1 min 1) Attach magnet  2) Transfer the eluent 