

Duo Buffer Extraction System Genomic DNA Extraction Kit (Plant)

The Genomic DNA Extraction Kit (Plant) (Duo Buffer System) provides a fast and simple method to isolate DNA from plant tissue and cells. In the first step the sample is lysed by homogenization. The lysate is treated with RNase A to remove RNA. In the presence of a chaotropic salt, the genomic DNA in the lysate binds to the glass fiber matrix in the spin column. The contaminants are washed with an ethanol based wash buffer and purified genomic DNA is eluted by low salt elution buffer or water. The protocol does not require DNA phenol extraction and alcohol precipitation. The entire procedure can be completed in 60 minutes.

Applications

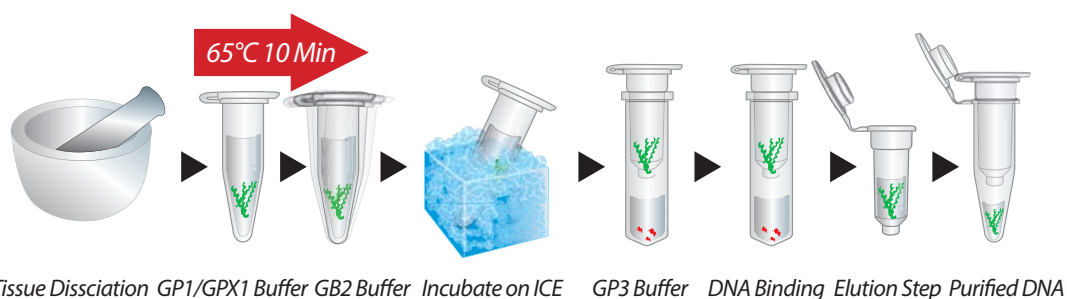
PCR/ Real-time PCR, Southern blotting, RAPD/ AFLP

Quality Control

The quality of the Genomic DNA Mini/Maxi Kit (Plant) is tested on a lot-to-lot basis. The kits are tested by isolation of genomic DNA from 100mg young leaves.

Protocol

Sample: 100mg / 1g of plant tissue
Yield: 20µg / 300µg
Operation time: <60 mins
Elution Volume: 50/1000µl



Storage and Stability

This kit should be stored at room temperature.

Additional Requirements:

Liquid Nitrogen , Mortar, 1.5 ml microcentrifuge tube, Ethanol (96-100%), Isopropanol

Cat.No. YGP50

50 mini preps / kit

GP1 Buffer: 25ml

GPX1 Buffer: 25ml

GP2 Buffer: 6ml

GP3 Buffer(concentrated): 15ml

W1 Buffer: 25ml

Wash Buffer (concentrated): 25ml

Elution Buffer : 30ml

RNase A(10mg/ml): 275 μ l

Filter Column: 50 pcs

GD Column: 50 pcs

2 ml Collection Tube: 100 pcs

Cat.No. YGP100

100 mini preps / kit

GP1 Buffer: 50ml

GPX1 Buffer: 50ml

GP2 Buffer: 15ml

GP3 Buffer (concentrated): 30ml

W1 Buffer: 50ml

Wash Buffer (Concentrated): 25ml

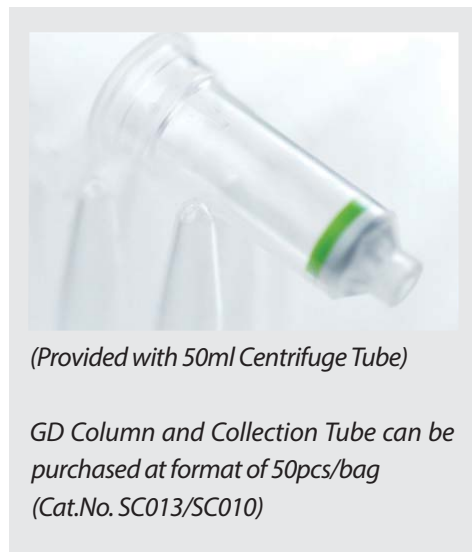
Elution Buffer : 30ml

RNase A(10mg/ml): 550 μ l

GD Column: 100 pcs

Filter Column: 100pcs

2 ml Collection: 200 pcs



Quality Nucleic Acid Purification Systems

RBC Real Genomics DNA/RNA Purification

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