RBC **Real Genomic**
Quality Nucleic Acid Purification Systems

Versatile RNA purification from Plants
Total RNA Extraction Kit (Plant)

The Total RNA Extraction Kit (Plant) is specially designed for purification of total RNA from a variety of plant tissues. The method uses detergents and a chaotropic salt to lyse cell and inactivate RNase. RNA in the chaotropic salt solution is bound to the glass fiber matrix of the column. Following washing off of the contaminants the purified RNA is eluted by RNase-free water. The entire procedure can be completed in 40 minutes. ssRNA and dsRNA of > 200 bps to 1000's of bps in length are efficiently purified.

Applications

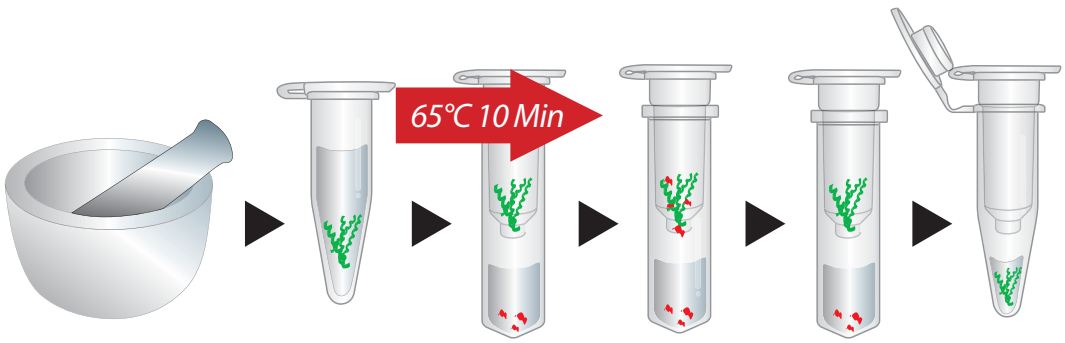
RT-PCR, northern blotting, primer extension, cDNA library construction, Microarray hybridization (cDNA)

Quality Control

The quality of Total RNA Extraction Kit (Plant) is tested on a lot-to-lot basis.

Protocol

Sample (Protocols Included*):	Fresh/Frozen Leaves,Fresh/Frozen Tissue
Genomic RNA Extraction Kits Plant Mini	
Sample Amount:	50 mg
Elution Volume:	50 ml
Yield:	< 5~30 µg
Genomic RNA Extraction Kits Plant Maxi	
Sample Amount:	500 mg
Elution Volume:	500 ml
Yield:	< 50~300 µg
*For certain protocols items such as DNase I, Lysozyme may need to be purchased separately.	



Tissue Dissciation | RB Buffer | Filtration | RNA Binding | Wash Step | Elution Step

Storage and Stability
This kit should be stored at room temperature.

Cat.No.YRP50
50 mini preps/kit
RB Buffer: 30ml
PRB Buffer: 30ml
R-W1 Buffer: 25ml
R-Wash Buffer (concentrated): 25ml
RNase-Free Water: 10ml
Filter Column Set: 50 sets
RB Column Set: 50 sets
(Comes with 2ml Collection Tube)

Cat.No.YRP100
100 mini preps/kit
RB Buffer: 60ml
PRB Buffer: 60ml
R-W1 Buffer: 50ml
R-Wash Buffer (concentrated): 25ml
RNase-Free Water : 10ml
Filter Column Set: 100 sets
RB Column Set: 100 sets
(Comes with 2ml Collection Tube)

All components are RNase -Free treated

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