

# ***Plant Total RNA Isolation Kit***



# PRODUCT INTRODUCTION

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## Plant Total RNA Isolation Kit

Complete the test within 30 minutes

The kit uses the spin column and formula developed by Foregene, which can efficiently extract high-purity and high-quality total RNA from various plant tissues with low polysaccharides and polyphenols content. For plant samples with high polysaccharides or polyphenols content, it is recommended to use Plant Total RNA Isolation Plus Kit to get better RNA extraction results. The kit provides the DNA-Cleaning column that can easily remove genomic DNA from the supernatant and tissue lysate. RNA-only column can effectively bind RNA. The kit can process a large number of samples at the same time. The entire system does not contain RNase, so the purified RNA will not be degraded. Buffer PRW1 and Buffer PRW2 can ensure that the RNA obtained is not contaminated by protein, DNA, ions, and organic compounds.



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## Plant Total RNA Isolation Kit

50 Tests/200 Tests Box



### Product Components

- ◆ Buffer PRL1, Buffer PRL2
- ◆ Buffer PRW1, Buffer PRW2
- ◆ RNase-Free ddH<sub>2</sub>O, DNA-Cleaning Column
- ◆ RNA-Only Column
- ◆ Instructions

### Ordering Information

Product Name	Ref No.	Specifications	Description
Plant Total RNA Isolation Kit	RE-05011	50Preps	Quickly purify high-quality total RNA from a variety of plant samples with low polysaccharide polyphenol content.
Plant Total RNA Isolation Kit	RE-05014	200Preps	

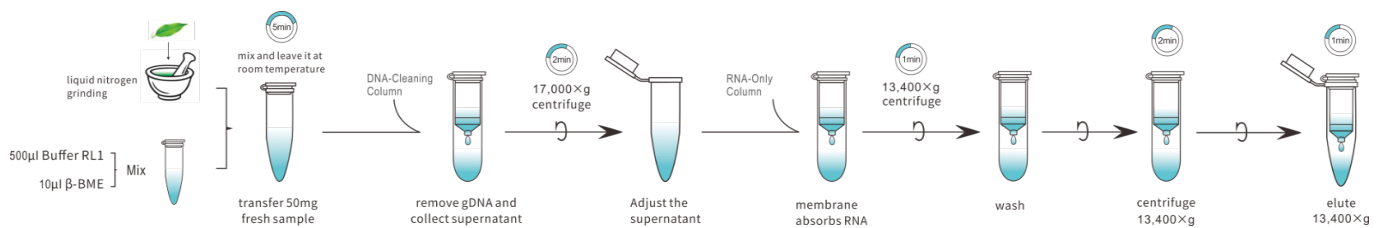
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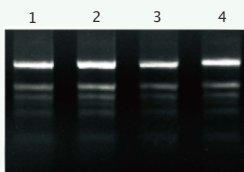
## Features & Advantages

- △ Particularly suitable for the purification of RNA from plant samples with low polysaccharides and polyphenols content.
- △ No need to worry about RNA degradation. The whole system is RNase-Free
- △ Effectively remove DNA using DNA-Cleaning Column
- △ Remove DNA without adding DNase
- △ Simple—all operations are completed at room temperature
- △ Fast—operation can be completed in 30 minutes
- △ Safe—no organic reagent used
- △ High quality—the purified RNA is highly pure, free of protein and other impurities, and can meet various downstream experimental applications.

## Operation Process



## Experimental Result



Plant Total RNA Isolation Kit Plus

Treated plant fresh leaves with polysaccharide polyphenols

50mg, Take 5% purified RNA for electrophoresis.

1:banana 2:ginkgo 3:cotton 4:pomegranate

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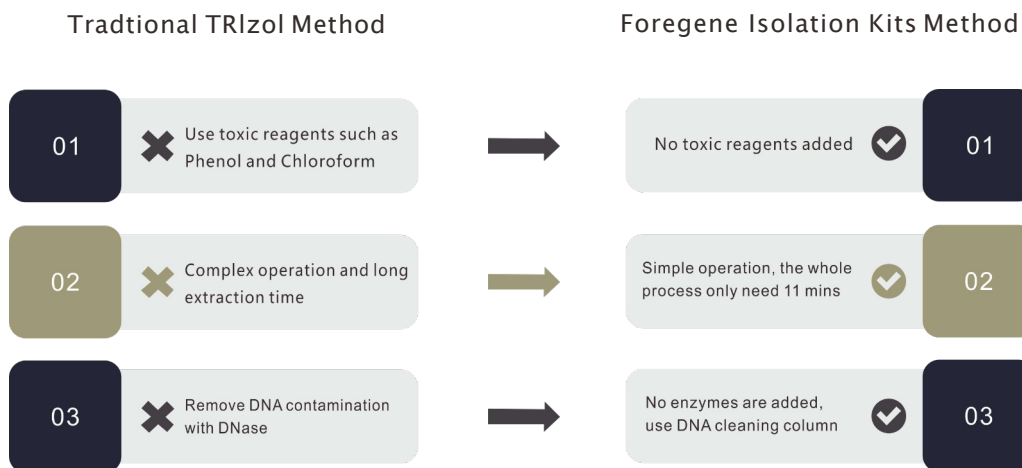
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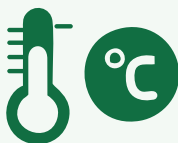
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## Advantages of Foregene RNA Isolation Kit



## Preservation Conditions



The kit can be stored for 12 months at room temperature (15–25 °C) or 2–8 °C for longer time(24 months).

Buffer cRL1 can be stored at 4 °C for 1 month after adding 2-hydroxy-1-ethanethiol(optional).

## Product Application

*\*Plant Total RNA Isolation Kit:*

*It is suitable for the extraction and purification of total RNA from fresh or frozen plant.*

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## References

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Chi Z, Dai Y, Cao S, et al. Exogenous calcium chloride (CaCl<sub>2</sub>) promotes  $\gamma$ -aminobutyric acid (GABA) accumulation in fresh-cut pears. *Postharvest Biology and Technology*, Volume 174, 2021, 111446, ISSN 0925-5214. doi:10.1016/j.postharvbio.

**IF:5.537(Foregene #RE-05011)**

Shah Kamran, An Na, Kamanova Svetlana, et al. Regulation of Flowering Time by Improving Leaf Health Markers and Expansion by Salicylic Acid Treatment: A New Approach to Induce Flowering in *Malus domestica*. *Front. Plant Sci.*, 2021 July 19. doi:10.3389/fpls.2021.655974.

**IF:5.753(Foregene #RE-06114)**

Yuan H, Xu Z, Tan X, et al. A natural allele of TAW1 contributes to high grain number and grain yield in rice. *The Crop Journal*, 2021, ISSN 2214-5141, doi:10.1016/j.cj.2020.11.004.

**IF:3.3(Foregene #RE-06114)**

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# COMPANY PROFILE

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Biofargo, founded in 2021 in Ashland, Virginia under Empriza Biotech Inc., offers professional laboratory equipments and supplies to our clients around the United States. With our team of in-house laboratory specialists and cutting-edge bio-science technology from our global team, we aim to provide our clients with the best one-stop shopping experience, including our professional expertise, excellent ease of purchase, and a dedicated and attentive customer relation building team to meet their specific needs.

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