

ARPENspin Plant Genomic RNA Extraction Kit

Extract high-quality RNA from plant tissues including samples rich in polysaccharides and polyphenols in approximately 40 minutes.

Description

This kit enables fast, simple, and cost-effective isolation of high-quality total RNA from plant tissues, including samples containing polysaccharides and polyphenols. The workflow uses lysis buffer, a centrifuge column, and simple washing and elution steps.

The purified RNA is suitable for Northern blotting, blotting hybridization, poly(A)+ selection, in vitro translation, RNase protection assays, RT-PCR/real-time RT-PCR, and cDNA library construction.

Key Benefits We Deliver



Fast and Simple procedure

Designed for speed and simplicity, this kit provides high-quality RNA with recovery rates reaching up to 90%.



Broad Plant Compatibility

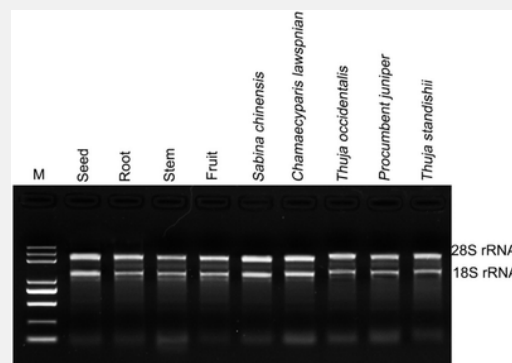
High-quality total RNA isolation from diverse plant tissues, including polysaccharide- and polyphenol-rich samples such as leaves, roots, stems, soybeans, and corn.



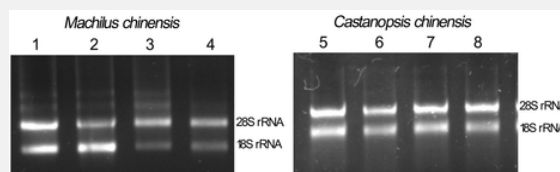
Safe & non-toxic

The protocol avoids phenol, chloroform, and other organic solvents, using a safe, non-toxic solution for a safer and more user-friendly workflow.

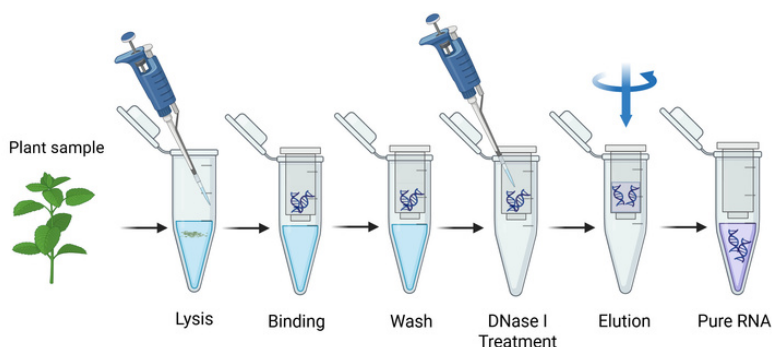
Proven Performance



Agarose gel electrophoresis showing total RNA extracted from seeds, roots, stems, and fruits of *P. orientalis* and the leaves of other Cupressaceae species: *S. chinensis*, *C. lawsoniana*, *T. occidentalis*, *P. juniper*, and *T. standishii*.



Agarose gel electrophoresis image of total RNA extracted products from leaves of *Machilus chinensis* (1-4) and *Castanopsis chinensis* (5-8).



Product Information

Features	Specifications
Sample	plant tissues, including polysaccharide- and polyphenol-rich samples such as leaves, roots, stems, soybeans, and corn
RNA Concentration (ng/μL)	20-100 ng/μL
Yield	High purity RNA
Extraction technology	Spin Column
Storage Conditions	MnCl ₂ , DNase I, and DNase Buffer: -20°C Other components: room temperature

Ordering Information

Product Name	Catalog Number	Package
ARPENspin Plant Genomic RNA Extraction Kit	ARP-PTRES50	50T