



Magabio plus Plant Genomic DNA Purification Kit II

■ Product Introduction

Magabio Plus Plant Genomic DNA Purification Kit II enables efficient extraction of high-quality genomic DNA from a wide range of plant species and tissue types, including traditional medicinal herbs. The kit uses Magabio magnetic bead technology, eliminating the need for phenol/chloroform extraction or alcohol precipitation. The procedures are optimized for the isolation of DNA from 50–100 mg plant samples. Compared with previous product, it delivers higher yield and purity. The purified DNA is ready for downstream applications such as PCR, real-time PCR, sequencing, Southern blotting, mutation analysis, and SNP studies.

■ Product Features



Higher Yield & Purity

Optimized extraction protocol ensures superior DNA quality.



Fast & Convenient

Multi-sample DNA purification completed within 50 minutes.



Safe & Eco-Friendly

No toxic reagents such as β -mercaptoethanol, phenol, or chloroform required.



Broad Applicability

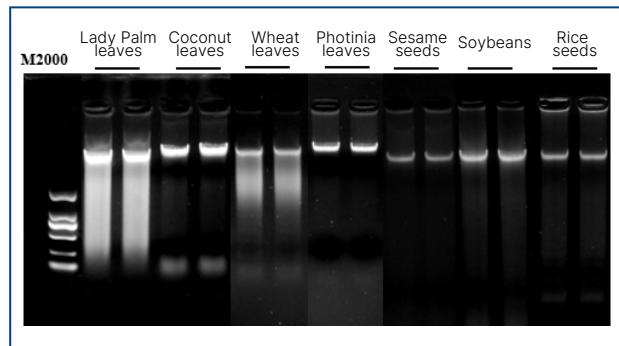
Suitable for a wide variety of plant species and tissues, including roots, stems, leaves, flowers, seeds, mushrooms, and medicinal herbs.

Data Performance

Experimental Data 1.

Extraction of nucleic acids from plant tissues and seeds is often challenging because of their thick cell walls and the presence of polysaccharides and polyphenolic compounds, which can inhibit lysis and downstream analysis.

In this study, nucleic acids were successfully extracted from these diverse plant samples. The quality and yield of the extracts were evaluated using NanoDrop spectrophotometry and agarose gel electrophoresis. Results are shown below.

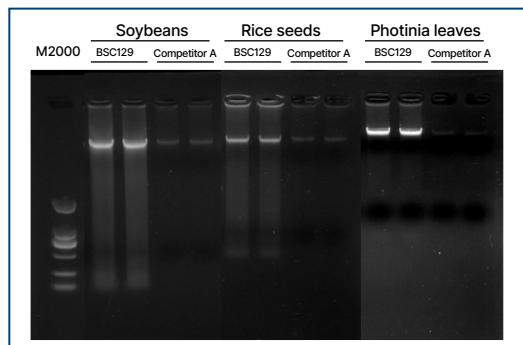


Sample Type	Concentration (ng/µL)	A260/A280	A260/A230	Sample Type	Concentration (ng/µL)	A260/A280	A260/A230
Lady Palm leaves	162.588	1.871	1.996	Sesame seeds	83.269	1.884	1.846
	139.14	1.864	1.968		87.383	1.802	1.854
Coconut leaves	89.549	1.831	1.866	Soybeans	160.488	1.922	1.817
	93.383	1.846	1.783		163.493	1.887	1.869
Wheat leaves	87.121	1.813	1.965	Rice seeds	106.167	1.844	1.84
	98.677	1.872	2.052		115.765	1.827	1.801
Photinia leaves	131.181	1.854	1.706				
	129.981	1.817	1.716				

Results: The results indicate that this kit provides stable and highly efficient DNA extraction across a wide range of plant samples, delivering higher yield and purity.

Experimental Data 2.

Compared with similar domestic products for sample extraction, the results are shown in the figure below.



Sample Type	Concentration (ng/µL)	A260/A280	A260/A230	Sample Type	Concentration (ng/µL)	A260/A280	A260/A230
Soybeans BSC129	190.498	1.822	1.817	Photinia leaves BSC129	99.812	1.848	1.609
	195.573	1.987	1.869		100.478	1.846	1.712
Soybeans Competitor A	33.439	1.452	0.714	Photinia leaves Competitor A	6.961	1.104	0.225
	15.77	1.467	0.706		7.257	1.02	0.232
Rice seeds BSC129	106.167	1.844	1.84	Rice seeds Competitor A	18.631	1.567	1.184
	115.765	1.827	1.801		20.997	1.739	1.431

Note: The sample input for all tests was 50mg, with elution in 100µL of elution buffer.

Results: The kit enables stable and highly efficient DNA extraction from a variety of plant samples, delivering higher DNA concentration and purity compared with competing products.

Ordering Information

Cat. No.	Product Name	Package
BSC129T1E	MagaBio plus Plant Genomic DNA Purification Kit II	16T
BSC129S1E	MagaBio plus Plant Genomic DNA Purification Kit II	32T
BSC129M1E	MagaBio plus Plant Genomic DNA Purification Kit II	48T
BSC129L1E	MagaBio plus Plant Genomic DNA Purification Kit II	96T
BSC129S1B	MagaBio plus Plant Genomic DNA Purification Kit II	50T
BSC129M1B	MagaBio plus Plant Genomic DNA Purification Kit II	100T
BSC129S1S	MagaBio plus Plant Genomic DNA Purification Kit II	32T
BSC129M1S	MagaBio plus Plant Genomic DNA Purification Kit II	48T



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