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Thermo Scientific™

GeneJET Plant Genomic DNA Purification Kit

Thermo Scientific GeneJET Plant Genomic DNA Purification Mini Kit is designed for rapid and efficient purification of high quality [Read more](#)

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Catalog Number	Quantity
K0792	250 Preps
K0791	50 Preps

Quantity:

250 Preps

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Thermo Scientific GeneJET Plant Genomic DNA Purification Mini Kit is designed for rapid and efficient purification of high quality genomic DNA from a wide variety of plant species and tissue types. It utilizes silica-based membrane technology in the form of a convenient spin column, eliminating the need for expensive resins, toxic phenol-chloroform extractions, or time-consuming alcohol precipitation.

Highlights

- **Fast**—procedure completed in 30 min following cell lysis
- **Convenient**—protocol does not include clogging-prone lysate filtration step
- **High yield**—up to 32 µg of high quality DNA from 100 mg sample, including nuclear, mitochondrial, and chloroplast DNA
- **Compatible**—use with a wide variety of samples (leaves, roots, sprouts and other parts of various plants)

The standard procedure takes less than 30 minutes following cell lysis and yields purified DNA greater than 30 kb in size. DNA yields vary between different species and tissues depending on genome size, ploidy, cell number, and the age of the tissue sample. The typical yield from a standard tissue source (e. g. young wheat leaves) is 30 to 32 µg from 100 mg of tissue. Isolated DNA can be used directly in PCR, qPCR, southern blotting, and enzymatic reactions.

Applications

- Isolated genomic DNA is ideal for use in common molecular biology procedures, including:
- PCR and qPCR
- [FastDigest](#) and [conventional restriction](#) digestion
- Southern blotting

For Research Use Only. Not for use in diagnostic procedures.

Specifications

Column Type	Spin Column
Elution Volume	200 µL
Final Product Type	gDNA
For Use With (Application)	PCR, Southern blotting, sequencing, nucleic acid labeling, hybridization
High-throughput Compatibility	Not High-throughput Compatible (Manual)
Quantity	250 Preps
Sample Type	Plants
Scale	Mini

Test Time	30 min. (After sample homogenization)
Yield	≤32 µg per 100 mg tissue
Isolation Technology	Silica Spin Column
Unit Size	Each

Contents & Storage

- 6 x 1 mL RNase A; store at room temperature until opened, –20°C after opening
- 120 mL Lysis Buffer A; room temperature
- 15 mL Lysis Buffer B; room temperature
- 40 mL Precipitation Solution; room temperature
- 120 mL Plant gDNA Binding Solution; room temperature
- 40 mL Wash Buffer I (concentrated); room temperature
- 40 mL Wash Buffer II (concentrated); room temperature
- 150 mL Elution Buffer; room temperature
- 250 GeneJET Purification Columns with Collection Tubes; room temperature
- 250 Collection Tubes; room temperature



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Frequently asked questions (FAQs)

Can I use water instead of Elution Buffer in the elution step of GeneJET and MagJET nucleic acid purification?

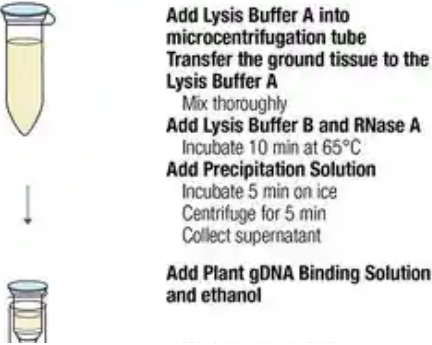


Figures

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Genomic DNA purified from various sources using the GeneJET Plant Genomic



Purification Procedure

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Documents & Downloads

Certificates

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Lot #	Certificate Type	Date	Catalog Number(s)	
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