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YOUR RESEARCH, OUR BUSINESS

PrimeMag Plant Genomic DNA Extraction Kit (KIT-9230)

The PrimeMag Plant Genomic DNA Extraction Kit offers a fast and efficient magnetic-based method for isolating high-quality genomic DNA from plant samples. The kit is designed for the isolation of genomic DNA from various of plant tissues using optimized buffer solutions.

It able to remove proteins, excess RNA, metabolites and other PCR inhibitors to deliver superior DNA purity and excellent integrity making it suitable for most of the downstream applications such as PCR, restriction analysis and Next-Generation Sequencing (NGS).

The kit is compatible with manual workflows using a magnetic rack and can be easily integrated with automated magnetic bead extraction platforms, offering flexibility for any throughput of plant samples.

Exceptional Purity & Performance — Achieve trusted A260/A280 ratios (1.6–2.0) and A260/A230 ≥ 1.0, a purity level rarely achieved with plant tissues, delivering inhibitor-free DNA ready for high-sensitivity workflows.

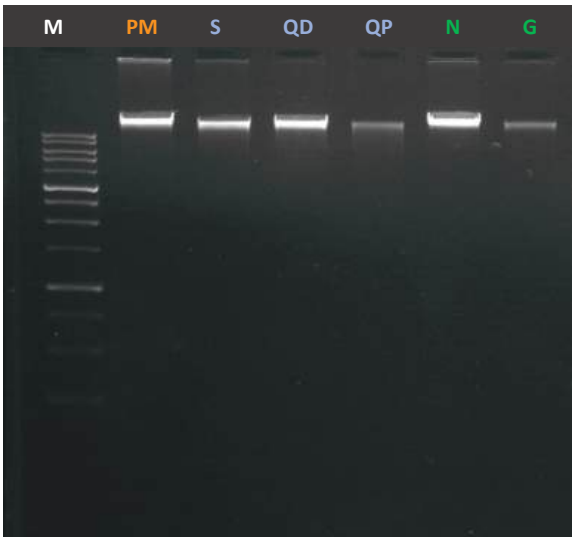
Superior DNA Integrity — Generate premium quality DNA with DIN > 8 which is ideal for the most demanding downstream applications, including Next Generation Sequencing.

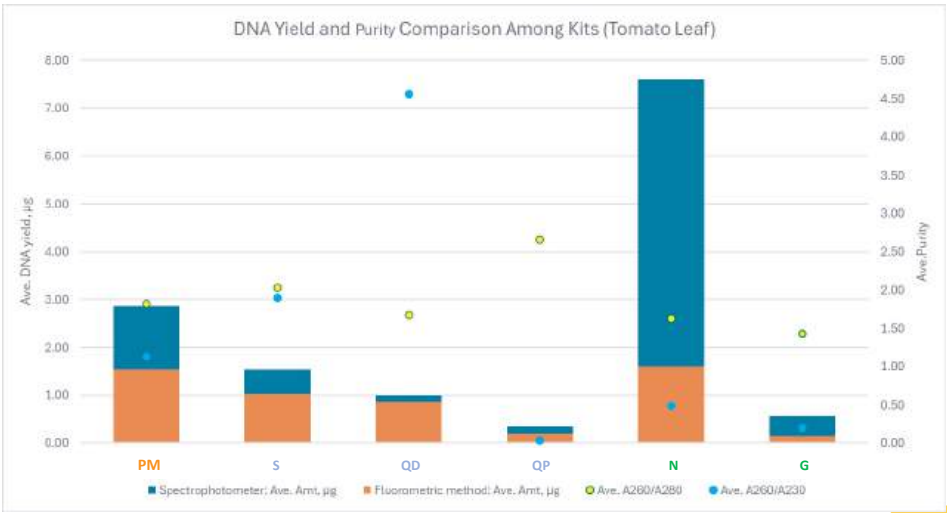
Automation Ready Compatibility — Effortlessly integrates into automation platforms, with proven performance across tropical species and challenging plant matrices.

Effortless Workflow — Minimal centrifugation. Smooth, quiet, and lab-friendly operation. Fast results without compromising quality.

Sustainable by Design — Up to 50% less plastic usage. Supporting a better planet while powering cutting-edge discoveries.

High Purity DNA- Tomato Leaves Samples

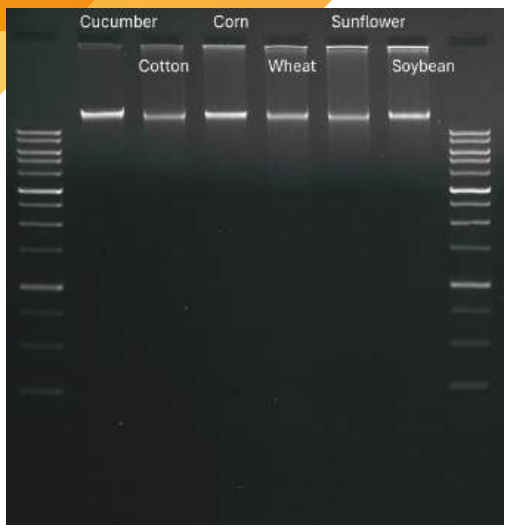


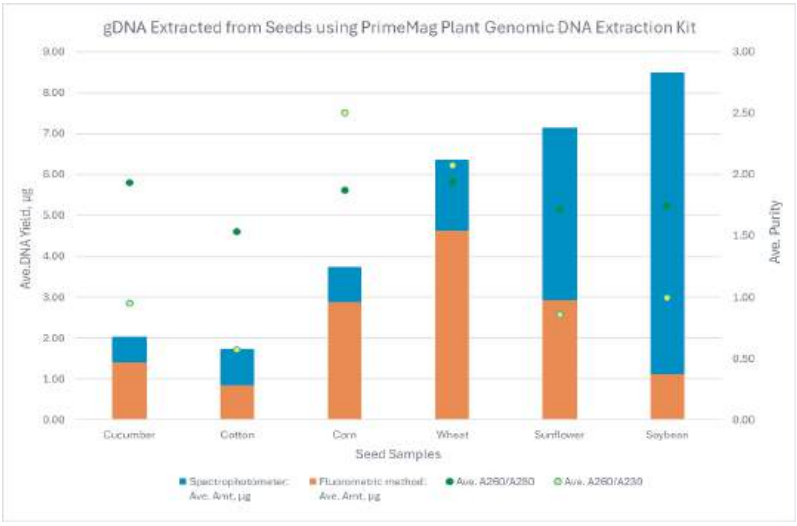


Tomato leaf DNA (50 mg) was extracted using PrimeMag Plant Genomic DNA Extraction Kit (KIT-9230), alongside three column kits (S, QD, QP) and two magnetic bead kits (N, G). PrimeMag consistently delivers higher gDNA yield and superior purity compared with alternative extraction methods.

Scan QR Code for More Details

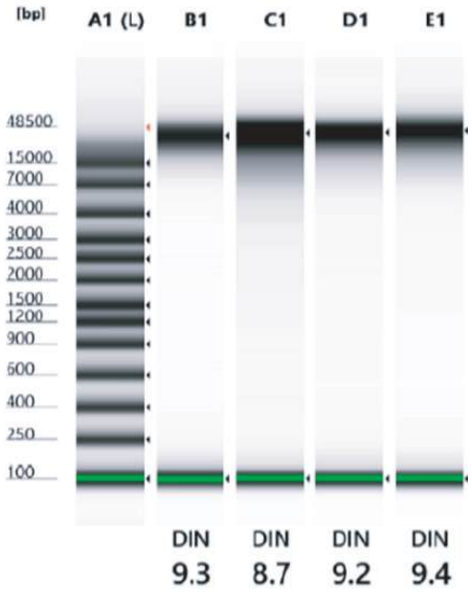
High Purity DNA- Seed Samples





From 50 mg of plant seed samples, including vegetable (cucumber), field crop (cotton, corn, wheat), oil (sunflower, soybean), the PrimeMag Plant Genomic DNA Extraction Kit (KIT-9230) demonstrating its stronger extraction efficiency across plant samples delivers higher gDNA yield and superior purity ratio of A260/280 is between 1.6 – 2.0.

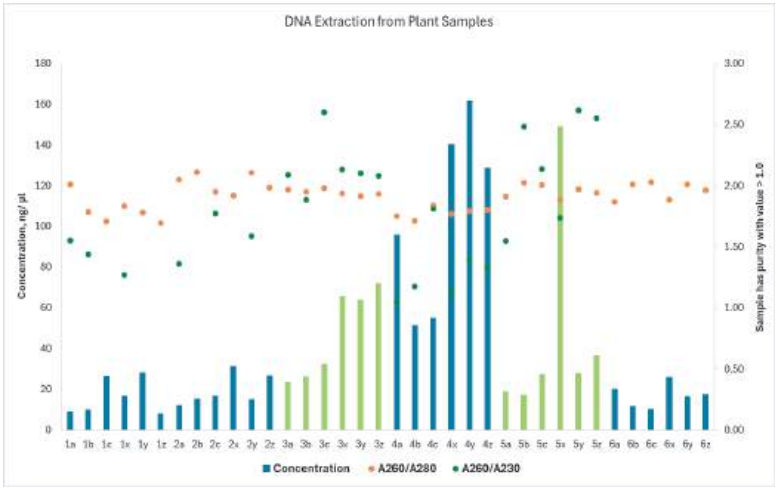
High DNA Integrity



ID	Sample	DIN
A1	Ladder	-
B1	Tomato	9.3
C1	Coconut	8.7
D1	Rice	9.2
E1	Oil Palm	9.4

A DNA Integrity Number (DIN) score greater than 8 indicates that the genomic DNA (gDNA) extracted using the PrimeMag Plant Genomic DNA Extraction Kit (KIT-9230) is highly intact with minimal degradation, reflecting a high level of DNA integrity suitable for demanding downstream applications such as Next-Generation Sequencing.

Convenience for Automation



Genomic DNA was extracted from plant samples using PrimeMag Plant Genomic DNA Extraction Kit (KIT-9230), including oil palm leaf (1), tomato leaf (2), rice leaf (3), coconut leaf (4), wheat seed (5), and tomato stem (6) using 96 wells liquid handling system. This automated platform enables high-throughput DNA extraction with improved efficiency and consistency across multiple samples simultaneously.

Sample inputs are 50 mg (a, b, c) and 100 mg (x, y, z). gDNA are showing consistently high DNA purity that is readily for downstream application like NGS library preps or other molecular biology operation.

Sustainable by Design

1. Reduced Plastic and Waste
- Compatible with **automation** to minimize consumable use.
- Reagent volumes are optimized to reduce **plastic waste and buffer excess.**

2. Energy and Water Efficiency
- **Minimal centrifugation and heating** steps reduce electricity consumption.
- Easy workflows save **power**, ideal for labs aiming for low-carbon operations.

3. Responsible Science, Cleaner Planet
- Empower your research while protecting the Earth.
- No phenol. No chloroform. No compromise on performance.

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Product Code	KIT-9230-10/ KIT-9230-48/ KIT-9230-96
Sample Type	Suitable for most plant types and tissues
Input Amount	50 mg – 150 mg
Binding Mechanism	Paramagnetic Bead
Elution	60 to 100 µl
Duration	65 minutes
Packaging Size	10, 48, 96 Preps

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