

PowerPlant™

Plant DNA Isolation Kit

Isolate quality DNA from plants including those high in polyphenols and polysaccharides

The **PowerPlant™** DNA Isolation Kit provides a novel method for isolating high quality genomic DNA from a variety of plant tissues, such as leaves, roots and seeds. This unique hands-off homogenization uses a bead beating format and allows up to 24 samples to be processed at the same time using either a vortex adapter or a bench top homogenizer such as MO BIO's Precellys® 24 Homogenizer. Nearly all types of plant tissues can be processed without hand grinding or liquid nitrogen freezing. With this kits' novel PCR inhibitor removal system, pure genomic DNA can be obtained in less than 60 minutes.

GIVES YOU THE POWER TO DO MORE!

- Purify DNA from PCR inhibiting materials such as polysaccharides and polyphenols
- Cost-effective hands-off homogenization through a vortex adapter and a vortex
- Extract DNA without hand grinding; eliminating the need to clean grinding tools between samples
- Includes robust customized tubes to bead beat and homogenize without tube breakage
- Compatible with MO BIO's Precellys® 24 or any bench top homogenizer

The PowerPlant™ DNA Isolation Kit is efficient with a variety of plant types.

SAMPLE	
Arabidopsis	✓
Pine needle	✓
Cotton	✓
Sunflower	✓
Strawberry	✓
Grape	✓
Rice	✓
Corn	✓
Wheat	✓
And More...	✓

SUCCESSFUL DNA ISOLATION

**MO BIO**
Laboratories, Inc.
Saving You Time for Life
www.mobio.com

PowerPlant™ Plant DNA Isolation Kit

Isolate quality DNA from plants including those high in polyphenols and polysaccharides.

The **PowerPlant™** DNA Isolation Kit isolates genomic DNA from even the toughest plant samples without hand grinding. Due to the unique hands-off bead beating method, up to 24 samples can be processed at the same time using a vortex adapter or a bench top homogenizer, such as MO BIO's Precellys® 24 Homogenizer. This method effectively eliminates the bottleneck of multiple sample preparation. The **PowerPlant™** kit saves significant time over traditional liquid nitrogen methods with comparable yields. In addition, its novel PCR inhibitor removal system ensures the DNA is free of polyphenols and polysaccharides allowing for all downstream applications including successful PCR analysis.

Powerful protocol

The **PowerPlant™** kit protocol begins by adding plant material to the provided tubes containing specialized beads along with optimized reagents for rapid homogenization. Cell lysis and DNA release occur by both mechanical and chemical methods to maximize DNA isolation efficiency. A silica membrane in a spin column format is used to capture, wash and elute the pure DNA.



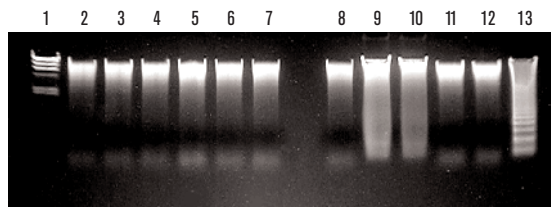
Success with many plant types

The **PowerPlant™** kit has been successfully utilized on a wide variety of plant types including leaves, roots, and seed samples. Occasionally, plants such as pine needles, cotton, sunflower, and strawberry present additional challenges and require an additional clean up procedure. The **PowerPlant™** kit provides special clean-up reagents as an optional step to assure success among even the most challenging plant samples.

The **PowerPlant™** DNA Isolation Kit includes all the reagents necessary for isolating genomic DNA from the toughest plant samples. Visit www.mobio.com for more information.

Get the results you need with the PowerPlant™ DNA Isolation Kit.

Effectively Isolate Quality Genomic DNA from Many Sample Types



Genomic DNA was successfully isolated using the PowerPlant™ kit from a variety of plant types.

Lane 1: DNA standard, **Plant leaves:** Lane 2: Potato, 3: Tomato, 4: Cotton, 5: Sunflower, 6: Grass, 7: Mushroom

Seeds: Lane 8: Cotton, 9: Sunflower, 10: Peanut, 11: Soy bean, 12: Corn, 13: Wheat

Catalog No.	Description	Quantity
13200-50	PowerPlant™ DNA Isolation Kit	50 Preps
13200-100	PowerPlant™ DNA Isolation Kit	100 Preps
13000-V1-24	Vortex Adapter for Vortex-Genie 2	Holds 24 (1.5 - 2.0 ml) Tubes
13000-V1	Vortex Adapter for Vortex-Genie 2	Holds 12 (1.5 - 2.0 ml) Tubes
13112	Precellys® 24 Homogenizer	Holds 24 (1.5 - 2.0 ml) Tubes

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