Microzone Product Datasheet

Product code: 2PKL1-100 Lot Number:

DNAMITE— Plant DNA Extraction Kit

P. Code	Size in 100 Rxn	Component	Description	Lot Number	Expiry
LA	2 x 60ml	Solution LA	Lysing Solution		
PA	2 x 15ml	Solution PA	Precipitation Solution		
CA	2 x 30ml	Solution CA	Clean Up solution		

Applications

- Extraction of DNA from Plant sources
- Arabidopsis DNA extraction quick and simple

Product Description

Microzone's DNAMITE kits are exceptional for extracting DNA from a range of plant sources. The kits are rapid, simple to use and exceptionally efficient.

DNAMITE Kits are Free From a need for spin filter columns and magnetic beads. They use less plastic ware and fewer steps and do not require customers to supply alcohols such as Ethanol or Isopropyl. The kits are more environmentally friendly than many other DNA extraction kits.

Key Features

- Obtain high quality and quantity of DNA from leaves and plant material.
- Free From the use of filter columns or magnetic beads.
- Free From alcohols—Ethanol & Isopropyl

Tips:

If solution LA shows a white precipitate, place bottle in a warm water bath or microwave briefly until solution becomes clear.

To avoid spillage when grinding with fleshier plant material, it may be necessary to reduce the volume of Solution LA to 800µl or 900µl and consequently, the volume of Solution PA to 80µl or 90µl respectively.

Please contact Microzone or you local distributor for answers to any queries concerning DNAMITE Plant Kit.

Associated Products:

Just Water—Molecular biology Grade in convenient 1ml tubes

MegaMix Blue PCR Mastermix

Protocol

Arabidopsis: Place 1 or 2 inflorescences and/or a few leaves into a 1.5ml microcentrifuge tube.

Any other plant: Place 1 to 2cm^2 of leaf material into a 1.5ml microcentrifuge tube.

DNA Extraction:

1. Add 1ml of Solution LA and grind the leaves with a pestel. Vortex the sample briefly.
2. Add 100µl of Solution PA. Vortex the sample briefly.
3. Spin at 10,000 rpm for 5 minutes in a microcentrifuge.
4. Transfer 500µl of the supernatant into a new tube containing 500µl of Solution CA, being careful to avoid transferring any debris. Vortex the sample briefly.
5. Leave at room temperature for 5 minutes.
6. Centrifuge at 13,000 rpm for 7 minutes to pellet the DNA
7. Remove the supernatant with a 1ml pipette
8. RE-spin the tube briefly and remove the dregs
9. Add 30µl of 10/1 TE or Molecular Grade Water (such as Microzone's Just Water)
10. Leave for 10 minutes or overnight to allow the DAN to rehydrate.

For research use only

Product Handling

Storage

To ensure the quality of the product until the expiry date keep at the recommended storage temperature and limit exposure to light.

Contamination Control

To prevent erroneous results ensure work environment is free of contamination by cleaning your workstation and equipment daily with a DNA decontaminant daily, wear gloves, use sterile tubes and filter pipet tips.

Simple | Effective | Efficient

Version 2.01

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