

SwiftDNA PlantXtract

Cat#TSP245

INTENDED USE

This kit is intended for the extraction of DNA from plant tissue.

PRINCIPLE

SwiftDNA PlantXtract uses a simple extraction method where a small piece of plant tissue is chemically lysed to release DNA. The released DNA can then be used directly for conventional PCR and Loop Mediated Isothermal Amplification.

KIT COMPONENTS

Scalpel - 1	Forceps - 1
Reaction Tube - 1	SDX1(Capillary dropper) - 1
Buffer PL - 1×200μL	Buffer GT - 1×1.3mL

STORAGE CONDITION

Store at 15-25°C

WARNINGS AND PRECAUTIONS

1. The instructions must be followed exactly to get accurate results.
2. Handle the samples carefully to avoid splashing.

PROCEDURE

1. Unscrew the Buffer PL tube and transfer one drop into the Reaction Tube. Recap the Buffer PL tube securely.
2. Using the scalpel, cut a small piece (approximately 1mm×1mm) of plant tissue and transfer it into the Reaction Tube using the forceps.
3. Cap the Reaction Tube with SDX1. Gently tap Reaction Tube 2-3 times to ensure the leaf sample is fully immersed in the buffer. Let the mixture sit undisturbed at room temperature for 5-10 minutes.
4. Pierce the bottom of Reaction Tube with SDX1 cap.
5. Unscrew the Buffer GT tube and transfer the entire mixture from the Reaction Tube into the Buffer GT tube by squeezing.
6. Recap the Buffer GT tube and mix thoroughly by gentle inversion until the solution is completely mixed.
7. DNA sample is now ready. Use 20μL of the prepared sample for PCR.

Extracted DNA can be stored at -20°C for 1 year.

NOTE:

- Wash the plant tissue before use.
- The tissue sample may not completely dissolve during the lysis step. This is expected and does not interfere with PCR amplification.

QUALITY CONTROL

Each batch tested for performance

DISPOSAL

Dispose according to biomedical waste guidelines

MANUFACTURER DETAILS

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GLOSSARY OF SYMBOLS



Caution



Consult instruction
for use



Temperature
Limitation



Keep Dry



Research use only



Manufacturer



Do not Re-Use



Keep away
from sunlight

