

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
Buffer PL - 1×40μL	Buffer GT - 1×1.3mL
Dropper - 1	

STORAGE CONDITION

Store at 15-25°C

WARNINGS AND PRECAUTIONS

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

PROCEDURE

- Gently tap the Buffer PL tube 2–3 times and then unscrew the cap.
 - Using the scalpel, cut a small piece (approximately 1mm×1mm) of plant tissue and transfer it into the Buffer PL tube using the forceps.
 - Recap the Buffer PL tube. Gently tap the tube be 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.
 - Unscrew the Buffer GT tube and transfer the entire contents into the Buffer PL tube using the supplied dropper.
 - Recap the Buffer PL tube and mix thoroughly by gentle inversion until the solution is completely mixed.
 - 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 with water 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

