

# SwiftDNA BloodXtract

Cat#TSB241

## INTENDED USE

This kit is intended for the extraction of DNA from blood.

## PRINCIPLE

SwiftDNA BloodXtract uses a simple extraction method where a small amount of capillary blood is chemically lysed to release DNA. The released DNA can then be used directly for conventional PCR and Loop Mediated Isothermal Amplification.

## KIT COMPONENTS

|                     |                             |
|---------------------|-----------------------------|
| Alcohol Swab - 1    | Lancet - 1                  |
| Reaction Tube - 1   | SDX1(Capillary dropper) - 1 |
| Buffer GL - 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.
3. Ensure a well-formed, free-flowing fresh blood drop so the 10 µL capillary fills completely without air bubbles, as clotted samples may affect performance.

## PROCEDURE

1. Unscrew the Buffer GL tube and transfer one drop into the Reaction Tube. Recap the Buffer GL tube securely.
2. Wipe the fingertip thoroughly with alcohol swab and let it air dry.
3. Prick the cleaned area of the fingertip with lancet to get a drop of blood.
4. With SDX1 collect blood.
5. Transfer the blood from SDX1 into the Reaction Tube. Gently tap Reaction Tube 2-3 times to ensure proper mixing. Let the mixture sit undisturbed at room temperature for 5-10 minutes.
6. Pierce the bottom of Reaction Tube with SDX1 cap.
7. Unscrew the Buffer GT tube and transfer the entire mixture from the Reaction Tube into the Buffer GT tube by squeezing.
8. Recap the Buffer GT tube and mix thoroughly by gentle inversion until the solution is completely mixed.
9. DNA sample is now ready. Use 20µL of the prepared sample for PCR.

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

## 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
