

SwiftDNA FishXtract

Cat#TSF246

INTENDED USE

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

PRINCIPLE

SwiftDNA FishXtract uses a simple extraction method where a small amount of 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

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

For 20 reactions, 2 sterile scalpels and 1 forceps are provided.

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. Gently tap the Buffer AL tube 2–3 times and then unscrew the cap.
 2. Using the scalpel, cut a small piece (approximately 1mm×1mm) of muscle tissue and transfer it into the Buffer AL tube using the forceps.
 3. Recap the Buffer AL tube. Gently tap the 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. Unscrew the Buffer GT tube and transfer the entire contents into the Buffer AL tube using the supplied dropper.
 5. Recap the Buffer AL tube and mix thoroughly by gentle inversion until the solution is completely mixed.
 6. 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:

The tissue sample may not completely dissolve during the lysis step, and the lysate may appear viscous. 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

Trita Biotech Private Limited
Bio360 Life Sciences Park
Thonnakkal, Thiruvananthapuram, Kerala
Email: info@tritabiotech.com
Ph.91 9744499303

GLOSSARY OF SYMBOLS



Caution



Consult Instruction for use



Temperature Limitation



Keep Dry



Research use only



Manufacturer



Do not Re-Use



Keep away from sunlight

