Symbol glossary: biomeddiagnostics.com/l/symbol-glossary

Document Revision History

Rev. C, Jul 2025
Removed QR Code for the certificate and product information, updated manufactured by and company address. Added storage temperature symbol.

Manufactured by:
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BIOMED™
DIAGNOSTICS
A DCN DX BRAND

TF Transit Tube

A Premium Sample Collection and Transport Device for bovine *T. foetus* samples

Catalog No.	12-012-001	10-pack
Catalog No.	12-012-002	50-pack

For Veterinary Use Only

Introduction

Intended Use

The TF-Transit Tube is a self-contained system for the collection and transport of *Tritrichomonas foetus* from bovine preputial or vaginal samples. The proprietary medium is selective for *Trichomonas*, while inhibiting the growth of other organisms.

Description and Principle

The TF-Transit Tube is designed to facilitate the identification of *T. foetus* with PCR technology by providing:

- Easy, field-sample inoculation
- Improved *Trichomonas* selectivity with our proprietary "Gold Standard" TF medium
- Safe transport and preservation of the specimen
- DNA extraction and PCR compatible
- Suppression of yeast and bacteria in the sample

Reagents and Appearance

The TF medium appears clear with yellow to amber hue and contains peptones, maltose and other nutrients, amino acids, salts and antimicrobial agents in a phosphate buffered saline base. Final pH of media is 6.7 ± 0.2 at 25°C.

Precautions, Safety and Disposal

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves.

Transit Tube is for veterinary specimen transport to be used in conjunction with nucleic acid-based testing, i.e. PCR.

Consult your local (e.g., State Department of Agriculture) regulations before use. Some states require that only certified veterinarians collect and submit bovine TF sample.

The TF growth medium suppresses but does not eliminate yeast and bacterial growth. A build-up of gas from bacterial growth can be vented by opening the cap inside a BSL-2 rated biological safety cabinet.

WARNING: This product can expose you to chemicals including including Iron Dextran and Chloramphenicol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to **P65Warnings.ca.gov**.

Once the tube has been inoculated and resealed, re-open only in a biological safety cabinet. Because of the potential for containing infectious materials, the tube must be destroyed by autoclaving at 121°C for 20 minutes.

Storage

Do not refrigerate or freeze the TF-Transit Tube. Upon receipt, store at 18-25°C, away from direct sunlight. Do not use expired tubes. Do not use a tube if the media appears to be cloudy, leaky, dark brown or dried.

Shelf Life

TF Transit Tubes have a 12-month expiration from the date of manufacture.

Procedure

Key Notes Regarding Specimen Collection

Materials Required but Not Provided

- Infusion/insemination pipette
- 20 mL syringe/pipette bulb per bull/cow

Clip the hair around the preputial orifice in bulls. Flush the preputial cavity with sterile saline solution (not water) to clean out mud and manure if necessary (decreases the risk of overgrowth of non *T. foetus* bacterium).

Bulls: Direct the pipette to the distal penis in the sheath. Scrape the mucosa of the distal penis and the fornix area while applying suction with syringe or bulb to obtain the specimen.

Cows: Advance the pipette gently to the floor of the vaginal fornix, and aspirate mucus.

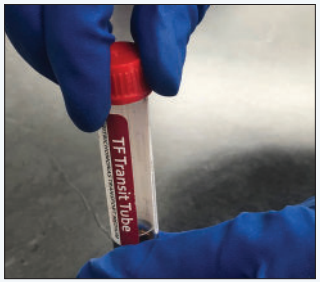
Materials Provided

- TF-Transit Tube(s), sealed

Materials Required but Not Provided

- Sample (see "Key Notes Regarding Specimen Collection", above)
- Optional: Laboratory incubator capable of incubation at 32-37°C

1

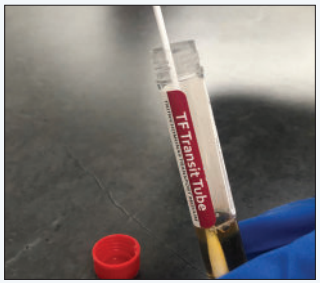


Remove the transit tube from the box.

Open the transit tube by twisting the cap off.

Be ready to use the transit tube as removing the cap breaks the seal.

2



Insert the sample into the transit tube (0.5-1.0 mL of specimen).

Secure the cap on to the transit tube and store it away from light.

Ensure to record sample-related information on the label.

Incubation

Optional: Incubate the TF-Transit Tube vertically in the dark at 32-37°C for 24-48 hours. Consult your testing lab for specific sample handling requirements.

Transportation

The TF-Transit Tube is designed for safe transport. Inoculated TF-Transit Tubes should be transported within 48 hours after inoculation and maintained at 4-37°C.

Quality Control

This product has been tested and meets the CLSI (formerly NCCLS) Approved Standard for commercially prepared media (M22-A3). At the time of manufacture, quality control testing is performed on each lot of the TF-Transit Tube. The ability of the media to support growth and demonstrate expected performance and morphology is verified by lot.

Specificity

TF medium is known to be effective in preserving *T. foetus, T. suis, T. galliniae* and *P. hominis*.

References

1. McMillen & Lew. Vet Parisitol. 2006. 141:204
2. Clavijo, et al. J Vet Diagn Invest. 2011. 23:982
3. Davidson, et al. J Am Vet Med Assoc. 2011. 239:1589
4. BonDurant. Vet Clin North Am Food Anim Pract. 1997. 13(2):345-61
5. Thomas, et al. Agri-Practice. 1990. 11:13-17
6. Borchardt, et al. Veterinary Medicine. 1992. 11:104-112