

Reading the Results

Evaluation

Colonies of *T. equigenitalis* are small (2-3 mm), smooth with complete edges, glossy and yellowish grey.^{2,3}

Limitations

For Veterinary and Research Use Only

Plates should be examined for contaminants after the first 24 hours of incubation. Laboratories should be aware that certain countries and/or states may require the prolonged incubation periods or specific confirmation techniques as standard procedures and should therefore ascertain the particular local or regional requirements for CEM testing and reporting and/or indicate the specific isolation and testing methods used for their cultural findings. Definite confirmation of *T. equigenitalis* may require a range of staining, biochemical testing, antibody agglutination or immunofluorescent testing.

References:

1. Timoney, PJ, SJ Shin and RH Jacobson. (1982) Improved Selective Medium for Isolation of the Contagious Equine Metritis Organism. *Vet. Rec.*; 111:107-108.
2. World Organization for Animal Health (OIE). (2019) *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals (Terrestrial Manual)*. oie.int/standard-setting/terrestrial-manual/access-online.
3. USDA Animal and Plant Health Inspection Service (APHIS), Veterinary Services Factsheet. (2009) Contagious Equine Metritis. aphis.usda.gov/publications/animal_health/content/printable_version/fs_CEMrev09.pdf.

Scan for additional product information



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

Document Revision History

Rev. C, October 2019

New format; added new catalog numbers, document revision history; specified 18-25°C instead of room temperature; reorganized and retitled some sections

Manufactured by:
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BIOMED™

Petri Timoney's CEM Agar

Catalog No.	12-144-001	10 pack, unsealed
Catalog No.	12-144-002	10 pack, sealed

Not available in all countries; please inquire.
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Download



Certificate
of Analysis

Introduction

Intended Use

Timoney's CEM Agar is the improved formulation for selective culture-based isolation and identification of *Taylorella equigenitalis*, the causative agent of Contagious Equine Metritis (CEM).¹

Description and Principle

CEM is an inflammation of the endometrium of mares caused by *T. equigenitalis*, which usually results in temporary infertility. It is a non-systemic infection, the effects of which are restricted to the reproductive tract of the mare. Timoney's CEM Agar is suitable for the direct plating of fresh swabs or properly controlled samples transported in Amie's media or other applicable transport media. Timoney's CEM Agar is an improved formulation with selective antibiotics. For a complimentary, non-selective medium, use our Chocolate Eugon Agar with 10% Horse Blood (Cat. Nos. 12-134-001, 12-134-002).

Reagents and Appearance

Timoney's CEM medium appears chocolate/red and contains agar, peptone nutrients, horse blood, and antimicrobial selective compounds (i.e., Amphotericin B, Clindamycin, Trimethoprim) with a final pH of 7.0 ± 0.1 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.

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

Storage

Upon receipt, store Timoney's CEM Agar under refrigeration (2-8°C). Medium can be kept for one day at ambient temperature. Avoid freezing or prolonged storage at temperatures above 40°C. Petri dishes should be received and stored upside down to minimize condensation on the surface of the agar. Do not open until ready to use. Do not use if the medium shows signs of deterioration or contamination.

Shelf Life

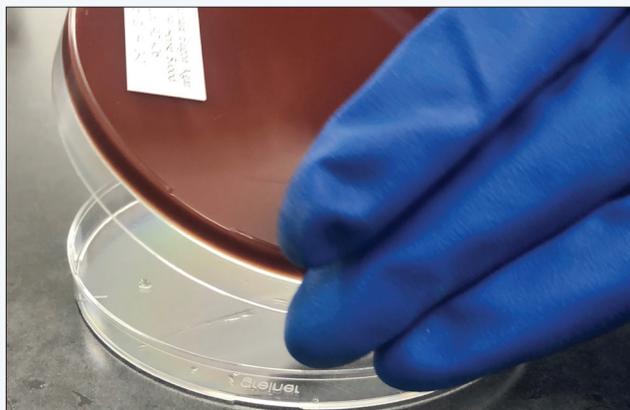
Petri Timoney's CEM Agar expires 6 months from date of manufacture.

Procedure

Materials Provided

- Petri Timoney's CEM Agar

1



Allow the petri to warm to 18-25°C.

Lift the inverted petri base off the lid.

For sealed petri dishes pull off the seal with care while in the inverted position and discard in regular trash.

Incubation

Incubate inverted at 37°C for 72 hours (up to 14 days) in a 5-10% CO₂ controlled atmosphere environment with a 85% to 98% relative humidity range. 5-10% CO₂ can also be achieved using the candle jar method.

Quality Control

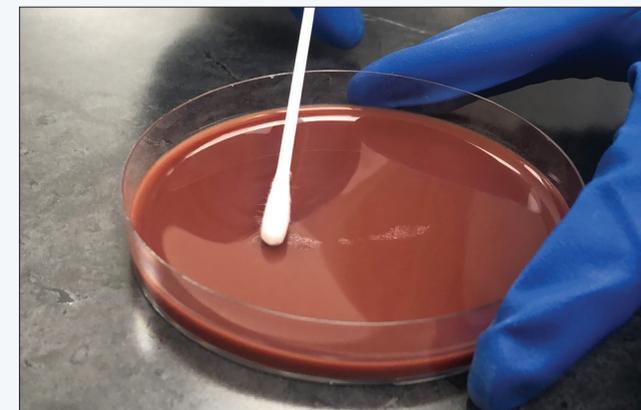
This product has been tested and meets the CLSI (formerly NCCLS) Approved Standard for commercially prepared media (M22-A3). At the time of manufacture, quality control testing is performed on each lot of the Petri Timoney's CEM Agar. The ability of the media to support growth and demonstrate expected biochemical reactions and morphology is verified by lot.

All Biomed product lots are performance verified with ATCC® microbe strains (Table 1). Product performance is also verified periodically throughout the marked shelf life of each lot.

Materials Required but Not Provided

- Sterile inoculating tool (e.g, cotton swab/forceps/scalpel blade)
- Laboratory incubator capable of incubation at 37°C in a 5-10% CO₂ controlled atmosphere environment with a 85% to 98% relative humidity range

2



Streak the sample onto the agar surface.

Immediately label the petri with subject and sample information and date.

Organisms used for quality control testing

Organism	ATCC	Colony Appearance
<i>T. equigenitalis</i>	35865	Small, smooth, yellowish grey, cytochrome-oxidase positive
<i>E. coli</i>	25922	Partially inhibited, cytochrome-oxidase negative
<i>S. xylosum</i>	29971	Inhibited, cytochrome-oxidase negative
<i>C. albicans</i>	90028	Inhibited, cytochrome-oxidase negative