# Chocolate Eugon Agar with 10% Horse Blood

*For Veterinary and Research Use Only*

## Intended Use

Chocolate Eugon Agar with 10% Horse Blood (CEA-HB) is a non-selective media to aid in the culture based isolation and identification of a wide variety of fastidious pathogenic bacteria.

## Description and Principle of Use

Our Eugon base is prepared according to the formula described by Pelczar and Vera (1949. Milk Plant Monthly; 38). Eugon Agar was developed to obtain eugonic (luxuriant) growth of fastidious microorganisms. The CEA-HB medium, enriched with 10% 'chocolate' horse blood (heat-lysed), supports the growth of pathogenic fungi, fastidious *Neisseria*, *Brucella*, *Taylorella, Lactobacillus, Streptococcus, Haemophilus* and others.

CEA-H is often used as a non-selective isolation media for Contagious Equine Metritis (CEM) screening. CEM is an inflammation of the endometrium of mares caused by *T. equigenitalis*, which usually results in temporary infertility. CEA-HB is suitable for the direct plating of fresh swabs or properly controlled samples transported in Amies or other applicable transport media. For a selective medium for CEM, try our Timoney's CEM Agar.

## Storage

Upon receipt, store CEA-HB under refrigeration (2-8°C). Medium should be brought to ambient temperature before inoculation. Avoid freezing or prolonged storage at temperatures above 40°C. Do not open until ready to use. Do not use if the medium shows signs of deterioration or contamination.

## Inoculation Procedure for InTray™ Devices

Allow the InTray™ to warm to room temperature. Lift the lower right corner of the flexible InTray™ label until the protective seal is completely visible. Remove the paper-foil seal by pulling the tab (Fig. 1). **Discard** the seal. **DO NOT REMOVE OR ALTER THE WHITE FILTER STRIP OVER THE VENT HOLE!**

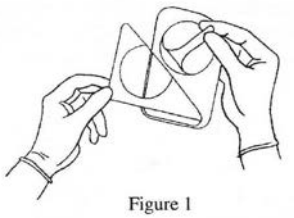

Figure 1

Streak sample onto the agar surface (Fig. 2).

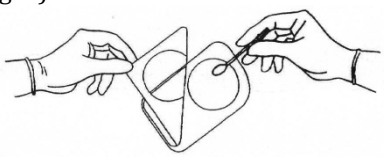

Figure 2

Reseal the InTray™ label to the plastic tray body. **Press all around the perimeter of the InTray™ to ensure a complete seal** (Fig. 3). Immediately label the InTray™ with patient or sample information and date. **DO NOT COVER THE VIEWING WINDOW**.

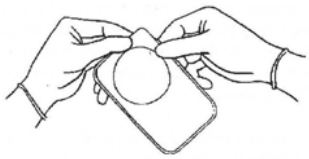

Figure 3

## Culture and Results

Incubate at 30-37°C for 18-72 hours (up to 14 days) in an appropriate atmosphere.

## Limitations/Precautions

**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 specific testing and reporting and/or indicate the specific isolation and testing methods used for their cultural findings. Definite confirmation of any species requires a range of staining, biochemical testing, antibody agglutination or immunofluorescent testing.

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

## Reagents

CEA-HB medium contains agar, peptone nutrients, horse blood, Dextrose, L-Cysteine Sodium sulfite and salt..

## Quality Control

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

| Organism | ATCC® | Colony Aspect |
|---|---|---|
| *T. equigenitalis* | 35865 | Small, smooth, yellowish grey, cytochrome-oxidase positive |
| *E. coli* | 25922 | Inhibited, cytochrome-oxidase negative |

| SYMBOL KEY | | | |
|---|---|---|---|
| Symbol | Used For | Symbol | Used For |
| LOT | Batch code | 18° 25° | Temperature limitation |
| | Date of manufacture | REF | Catalog number |
| | Use by YYY-MM-DD or YYYY-MM | | Caution, consult accompanying documents |
| | Manufacturer | EC REP | Authorized representative in the European Community |
| IVD | In vitro diagnostic medical device | CE | in European community |

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REFERENCE: *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals* (*Terrestrial Manual*). 2008; World Organization for Animal Health (OIE).