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# C.E.M.O. 1
# MAST® SELECTATAB

## MS31 Series

## Intended Use
For the selective isolation of *Taylorella equigenitalis,* the organism implicated as the cause of contagious equine metritis.

FOR IN VITRO DIAGNOSTIC USE ONLY

## Contents:
25 (small) or 10 (large) MAST® SELECTATAB.
See pack label.

## Formulation

| Material: | Concentration in medium: |
|---|---|
| Amphotericin B | 5mg/litre |
| Streptomycin | 200mg/litre |

## Storage and shelf life
Store unopened at 2 to 8°C until the expiry date shown on the pack label. Once opened, store MAST® SELECTATAB in capped, original packaging at 2 to 8°C until the expiry date shown on the pack label.

## Precautions
For *in vitro* diagnostic use only. Observe approved biohazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilise all biohazard waste before disposal. Refer to Product Safety Data sheet.

## Materials required but not provided
Standard microbiological supplies and equipment such as loops, MAST® culture media, swabs, applicator sticks, incinerators and incubators, etc., as well as serological and biochemical reagents, and additives such as blood.

## Procedure
1. Label Petri dishes using self-adhesive labels provided.
2. Sterilise appropriate volume of MAST® C.E.M.O. Agar (DM470D), cool to 50 to 55°C and hold at this temperature.
3. Aseptically add 5% horse blood and mix thoroughly. Hold the medium at 80°C until it becomes a chocolate brown colour.
4. Cool the medium to 50°C. Using sterile forceps add one MAST® SELECTATAB to the volume of medium specified on the pack label and label the bottle. Allow to stand for several minutes at 50 to 55°C until the MAST® SELECTATAB has broken up.
5. After the MAST® SELECTATAB has broken up, swirl the bottle 3 to 4 times and invert it to complete dispersal. An alternative method is to first dissolve the MAST® SELECTATAB in 3 to 5ml of recommended diluent and add this to the appropriate volume of medium.
6. Mix well and pour culture plates. For optimum growth deep plates should be poured (approx. 25ml per plate) and allow to set.
7. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to one week before use.
8. Inoculate plates with the specimen swabs. Streptomycin free (MS32) plates should be inoculated in parallel.
9. Plates should be incubated at 37°C with 5 to 10% carbon dioxide for two days before examining.

## Interpretation of results
*Taylorella equigenitalis* will appear as small colonies, greyish in colour. Identity of the colonies should be confirmed by positive oxidase and catalase activity, Gram stain (negative) and by comparison with control colonies.

## Quality control
Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate a positive reaction and at least one organism to demonstrate a negative reaction. Do not use the product if the reactions with the control organisms are incorrect. The list below illustrates a range of performance control strains which the end user can easily obtain.

| Test Organisms | Result |
|---|---|
| *Candida krusei* ATCC® 6258 | No growth |
| *Escherichia coli* ATCC® 10536 | No growth |
| *Proteus mirabilis* ATCC® 43071 | No growth |
| *Staphylococcus aureus* ATCC® 25923 | No growth |
| *Taylorella equigenitalis* ATCC® 35865 | Growth |

## References
Bibliography available on request.

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