

Haemophilus (Bacitracin) MAST® SELECTATAB

MS27 Series

Intended Use

For the selective isolation and culture of *Haemophilus* spp.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

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

Formulation

| Material: | Concentration in medium: |
|------------|--------------------------|
| Bacitracin | 100 mg/L |

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.

Directions

1. Label Petri dishes using the self-adhesive labels provided.
2. Sterilise the appropriate volume of MAST® Columbia Agar (DM115D) and cool to 50 to 55°C. Add 5 to 7% sterile defibrinated horse blood and mix thoroughly.
3. To prepare an enriched blood medium add Haemophilus Growth Supplement (SV62) or, alternatively, to prepare chocolate agar heat the medium to 80°C until the medium becomes a chocolate brown colour and allow the medium to cool to 50 to 55°C.
4. 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 3 to 4 times and invert to complete dispersal. An alternative method is to first dissolve the MAST® SELECTATAB in 3 to 5 mL of the recommended diluent and add this to the appropriate volume of medium.
6. Mix well, pour culture plates (15 to 20 mL 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 1 week before use.
8. Inoculate samples directly onto the selective plates.
9. Plates should be incubated at 35 to 37°C in an atmosphere containing 10% CO₂ and examined after 18 to 24 hours.

Interpretation

Colonies of *Haemophilus* spp. will appear grey and translucent. Suspect colonies should be further tested for X and V factor requirement using MAST® X and V Factor discs or MAST XV Mirror Ring (MID/XV).

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 |
|--|-----------|
| <i>Staphylococcus aureus</i> ATCC® 25923 | No growth |
| <i>Streptococcus pneumoniae</i> ATCC® 49619 | No growth |
| <i>Streptococcus pyogenes</i> ATCC® 19615 | No growth |
| <i>Haemophilus influenzae</i> ATCC® 49766 | Growth |
| <i>Escherichia coli</i> ATCC® 25922 | Growth |

References

Bibliography available on request.