

Haemophilus Growth MAST® SELECTAVIAL

SV62 Series

Intended use

For the growth enhancement of *Haemophilus* spp. on blood agar media.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

10 vials of MAST® SELECTAVIAL.

Formulation

| Material: | Concentration in medium: |
|-----------|--------------------------|
| NAD | 12.5 mg/L |
| Haemin | 1.25 mg/L |
| Menadione | 1.0 mg/L |

Storage and shelf life

Store unopened at 2 to 8°C until expiry date shown on pack label. Once reconstituted use immediately.

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. Sterilise the appropriate volume of MAST® Columbia Agar Base (DM115D), cool to 50 to 55°C and hold at this temperature.
2. Reconstitute the contents of one vial using the diluent specified on the pack label. The best method is to aseptically add the diluent using a sterile needle and syringe. Draw the diluent into the syringe and after removing the plastic cap, inject through the rubber stopper of the vial. The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.
3. Add the antibiotic supplement to the volume of medium specified on the pack label and discard the needle into an approved container.
4. Mix gently but thoroughly to evenly distribute the selective agents.
5. Aseptically add 5 to 7% v/v sterile horse blood and mix well.
6. 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 one week before use.
8. For the preparation of equivalent Haemophilus Selective Agar plates also add bacitracin containing Haemophilus Selectatab or Selectavial (MS27/SV27).
9. Inoculate the specimen directly onto prepared culture plates. Incubate at 37°C in an atmosphere enriched with 10% CO₂ for 18 to 24 hours.

Interpretation of results

Suspect colonies of *Haemophilus* spp. should be further tested to determine X and V factor requirements using MAST® X and V factor discs or cartridges (D43/D44/D45) 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. 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>Haemophilus influenzae</i> ATCC® 49766 | Growth |
| <i>Haemophilus parainfluenzae</i> ATCC® 7901 | Growth |

No negative control organism is required.

References

Bibliography available on request.