

## Haemophilus (Bacitracin) MAST® SELECTAVIAL

### SV27 Series

#### Intended Use

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

FOR IN VITRO DIAGNOSTIC USE ONLY

#### Contents

10 vials of MAST® SELECTAVIAL.

#### Formulation

Material:	Concentration in medium:
Bacitracin	100 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.

#### Directions

1. Sterilise the appropriate volume of MAST® Columbia Agar (DM115D), cool to 50 to 55°C. Add 5 to 7% sterile defibrinated horse blood and mix.
2. 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.
3. 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 The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.
4. Add the antibiotic supplement to the volume of medium specified on the pack label and discard the needle into an approved container.
5. Mix gently but thoroughly, to evenly distribute the selective agents. Pour culture plates (15 to 20 mL) and allow to set.

6. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to 1 week before use.
7. Inoculate samples directly onto the selective plates.
8. Plates should be incubated at 35 to 37°C in an atmosphere containing 10% CO<sub>2</sub> 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.