

Legionella (GVPN) MAST® SELECTAVIAL

SV94 Series

Intended use

For the selective isolation of *Legionella* spp. from water and related samples.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

10 vials of MAST® SELECTAVIAL.

Formulation

Material:	Concentration in medium:
Glycine	3.0 g/L
Vancomycin	1 mg/L
Polymyxin B	79200 units/L
Natamycin	200 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® Legionella BCYE Agar Base (DM258D) as specified in the British Standard BS 6068 (ISO 11731). Cool to 50 to 55°C, hold at this temperature and add the appropriate quantity of Legionella Growth Supplement MAST® SELECTAVIAL (SV35).
2. Reconstitute the contents of one GVPN 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 The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.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 and ensure even distribution of charcoal, pour culture plates (15 to 20 mL per plate) and allow to set.
5. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to one week before use.
6. Inoculate dried plates of selective and non-selective BCYE Agars directly with specimen material.
7. Incubate plates at 37°C in a humidified atmosphere. On selective BCYE Agar plates, colonies of *Legionella* spp. may take 3 to 5 days to appear.

Interpretation of results

Colonies of *Legionella* spp. are characteristically circular, low convex colonies with crenated edges which are bluish white and slightly translucent, with occasional lilac colours around the edges.

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>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Staphylococcus aureus</i> ATCC® 9144	No growth
<i>Legionella pneumophila</i> ATCC® 11192	Growth

References

Bibliography available on request.