

G.C. (LCAT) MAST® SELECTAVIAL

SV20 Series

Intended Use

For the preparation of Modified New York City Medium.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

10 vials of MAST® SELECTAVIAL.

Formulation

Material:	Concentration in medium:
Lincomycin	1mg/L
Colistin sulphate	6mg/L
Amphotericin B	1mg/L
Trimethoprim	6.5mg/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® G.C. Agar Base (DM136D), cool to 50 to 55°C and hold in a water bath 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 of the vial 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 The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.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 solution to 1 litre of medium and discard the needle into an approved container.
4. Mix gently but thoroughly to evenly distribute the selective agents.
5. Add 10% sterile defibrinated horse blood and lyse with 0.5% saponin.
6. For additional nutrition MAST® G.C. Growth SELECTAVIAL (SV16) may also be added if required.
7. Mix well again before pouring plates. Pour culture plates (15 to 20 mL per plate) and allow to set.

8. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to one week before use.
9. Inoculated plates should be incubated at 35 to 37°C in a humid atmosphere containing 10% CO₂. Examine the plates after 24 hours incubation and if negative reincubate for a further 24 hours.

Interpretation of results

Gonococci grow as non-pigmented translucent colonies and are identified as Gram negative, oxidase positive organisms. They may be further characterised by their sugar fermentation reactions.

As with all selective culture techniques it is advisable to include a non-selective plate in parallel.

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>Proteus mirabilis</i> ATCC® 43071	No growth
<i>Pseudomonas aeruginosa</i> ATCC® 27853	No growth
<i>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Neisseria gonorrhoeae</i> ATCC® 49226	Growth

References

Bibliography available on request.