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Streptococcus
MAST® SELECTATAB

MS12 Series

Intended Use
For the selective isolation of streptococci.

FOR IN VITRO DIAGNOSTIC USE ONLY

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

Formulation

Material:	Concentration in medium:
Colistin sulphate	10 mg/L
Oxolinic acid	5 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.

Procedure
1. Label Petri dishes using self-adhesive labels provided.
2. Sterilise appropriate volume of MAST® Columbia Agar (DM115D) or Blood Agar Base-Special (DM101D), cool to 50 to 55°C and hold at this temperature.
3. 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.
4. After the MAST® SELECTATAB has broken up, swirl the bottle 3 to 4 times and invert it to complete dispersal. An alternative method is to first dissolve the MAST® SELECTATAB in 3 to 5 mL of recommended diluent and add this to the appropriate volume of medium.
5. Supplement the medium with 5 to 7% sterile, defibrinated horse blood. Mix well, pour culture plates (15 to 20 mL per plate) 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 one week before use. Maximum selectivity is obtained within 48 hours of preparation.
7. The supplemented medium is inoculated in the normal manner and incubated at 37°C for 18 hours, either aerobically or anaerobically.

Interpretation of results
Colonial characteristics and recovery of streptococci appear comparable to that on unsupplemented media. Gram-negative organisms, staphylococci, *Bacillus* spp and coryneforms are all inhibited, as is the swarming of *Proteus* spp.

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
Staphylococcus aureus ATCC® 9144	No growth
Escherichia coli ATCC® 10536	No growth
Enterococcus faecalis ATCC® 29212	Growth
Streptococcus pyogenes ATCC® 19615	Growth
Streptococcus pneumoniae ATCC® 6305	Growth

References
Bibliography available on request.

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