

Neomycin MAST® SELECTATAB

MS8 Series

Intended Use

For the selective isolation of Clostridia and other anaerobes.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

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

Formulation

Material:	Concentration in medium:
Neomycin	75 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® Blood Agar Base Special (DM101D), Columbia Agar (DM115D) or Brucella Medium (DM107D), cool to 50 to 55°C and hold in a water bath 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. Other growth factors such as haemin and menadione may also be added as required.

6. Mix well, 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. Inoculated plates should be incubated at 35 to 37°C in an anaerobic jar or cabinet. Examine the plates after 48 hours incubation but continue incubation for up to 5 days.

Interpretation of results

Neomycin blood agar will allow the growth of clostridia, most *Bacteroides fragilis* and some anaerobic cocci whilst suppressing the growth of most Gram negative bacteria.

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	growth
<i>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Bacteroides fragilis</i> ATCC® 25285	Growth
<i>Clostridium perfringens</i> ATCC® 13124	Growth
<i>Clostridium sporogenes</i> ATCC® 19404	Growth

References

Bibliography available on request.