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Gardnerella MAST® SELECTATAB

MS15 Series

Intended Use

For the selective isolation of *Gardnerella vaginalis*.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

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

Formulation

Material:	Concentration in medium:
Amphotericin B	2 mg/L
Nalidixic acid	30 mg/L
Gentamicin	4 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), 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. To demonstrate the characteristic beta-haemolysis human or rabbit blood must be used.
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.
7. Dry plates before use and inoculate the vaginal discharge onto the surface of the medium using a swab.
8. Incubate at 37°C for 48 hours in an atmosphere containing 8% carbon dioxide. Alternatively a double layer method using human blood agar can be employed.

Interpretation of results

Confirmatory tests should be performed on all colonies from horse blood agar and on beta-haemolytic colonies on media containing human or rabbit blood. Suitable stock discs are available from MAST® for the presumptive identification of *G. vaginalis* - metronidazole 50mg and sulphathiazole 1mg (D46, D46C, D47 and D47C).

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® 9144	No growth
<i>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Pseudomonas aeruginosa</i> ATCC® 27853	No growth
<i>Gardnerella vaginalis</i> ATCC® 14018	Growth

References

Bibliography available on request.