

Yersinia MAST® SELECTATAB

MS19 Series

Intended Use

For the selective isolation and culture of *Yersinia enterocolitica*.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents

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

Formulation

Material:	Concentration in medium:
Cefsulodin	15 mg/L
Irgasan	4 mg/L
Novobiocin	2.5 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® Yersinia Agar Base medium (DM252D), 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. 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.
7. Directly inoculate the surface of a dried plate from the specimen to achieve isolated colonies.
8. Plates should be incubated at 32°C for optimum growth and recovery, and examined after 24 and 48 hours.

Interpretation of results

Typical colonies of *Y. enterocolitica* will appear as dark red "bullseyes" surrounded by transparent borders. Colony size and the ratio of the border to centre diameter will vary considerably amongst serotypes.

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® 29906	No growth
<i>Pseudomonas aeruginosa</i> ATCC® 27853	No growth
<i>Escherichia coli</i> ATCC® 25922	No growth
<i>Candida albicans</i> ATCC® 10231	No growth
<i>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Yersinia enterocolitica</i> ATCC® 9610	Growth

References

Bibliography available on request.