

## NAD MAST® SELECTAVIAL

### SV82 Series

#### Intended use

For use in disc diffusion susceptibility testing of: *Haemophilus* spp., *Neisseria gonorrhoeae* and other fastidious organisms.

FOR IN VITRO DIAGNOSTIC USE ONLY

#### Contents

10 vials of MAST® SELECTAVIAL.

#### Formulation

Material:	Concentration in medium:
NAD	20.0 mg/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 dehydrated culture medium, cool to 50 to 55°C and hold 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, inject through the rubber stopper of the vial. The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.
3. Add the supplement to the volume of medium specified on the pack label and discard the needle into an approved container.
4. Aseptically add 5% v/v sterile defibrinated horse blood.
5. Mix gently but thoroughly to evenly distribute the growth supplements. Pour culture plates to depth of 4 mm (25 mL per 90 mm 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. Dry the surface of the plate to remove excess moisture.
8. Suspend test colonies in Nutrient broth or deionised/distilled water to a density equivalent to a 0.5 McFarland standard and dilute 1:100 (Suspensions of *N. gonorrhoeae* are used undiluted).
9. Evenly inoculate the surface of the plate using a sterile cotton swab and allow to dry.
10. Apply sensitivity discs firmly to the surface of the plates.
11. Incubate at 35 to 37°C in an atmosphere enriched with 4 to 6% CO<sub>2</sub> for 18 to 20 hours.

#### Interpretation of results

Measure zones of inhibition to the nearest whole mm using a ruler, callipers or an automated reading system and interpret the result according to reference tables.

#### Quality control

Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate that zones of inhibition fall within acceptable ranges. 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>Haemophilus influenzae</i> ATCC® 49247	Growth and correct susceptibility
<i>Neisseria gonorrhoeae</i> ATCC® 49226	Growth and correct susceptibility

#### References

Bibliography available on request.