Mast Group Ltd.
Mast House, Derby Road,
Bootle, Merseyside, L20 1EA
United Kingdom
Tel: + 44 (0) 151 472 1444
Fax: + 44 (0) 151 944 1332
email: sales@mast-group.com
Web: www.mast-group.com

Mast Diagnostica GmbH
Feldstrasse 20
DE-23858 Reinfeld
Germany
Tel: + 49 (0) 4533 2007 0
Fax: + 49 (0) 4533 2007 68
email: mast@mast-diagnostica.de
Web: www.mast-group.com

Mast Diagnostic
12 rue Jean-Jacques Mention
CS91106, 80011 Amiens, CEDEX 1
France
Tél: + 33 (0) 3 22 80 80 67
Fax: + 33 (0) 3 22 80 99 22
email: info@mast-diagnostic.fr
Web: www.mast-group.com

Staph/Strep
MAST® SELECTAVIAL

SV11 Series

Intended Use
For the selective culture of *Staphylococcus aureus* and Streptococci.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents
10 vials of MAST® SELECTAVIAL.

Formulation

Material:	Concentration in medium:
Colistin Sulphate	10mg/L
Nalidixic Acid	7.5mg/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 MAST® Columbia Agar (DM115D), 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 The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.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 antibiotic supplement to the volume of medium specified on the pack label and discard the needle into an approved container.
4. Supplement the medium with 5 to 7% defibrinated horse blood. Mix gently but thoroughly to evenly distribute the selective agents. Pour culture plates (15 to 20 mL per plate) and allow to set.
5. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to one week before use.
6. Dry plates before use. Inoculate from the specimen in the normal manner to achieve isolated colonies and incubate aerobically at 37°C for 18 to 24 hours. The use of a non-selective Columbia Agar plate in parallel is recommended.
7. The selective Columbia Agar can be used for the isolation of *Staph. aureus,* haemolytic streptococci and enterococci from clinical specimens taken from sites of the body with a normal bacterial flora, and from food samples.

Interpretation of results
Staphylococci will grow as white/yellow haemolytic colonies. Streptococci will grow as white/grey smaller colonies showing α or β-haemolysis depending on the strain isolated.

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
Enterococcus faecalis ATCC® 29212	Growth
Escherichia coli ATCC® 10536	No growth
Proteus mirabilis ATCC® 29906	No growth
Pseudomonas aeruginosa ATCC® 27853	No growth
Staphylococcus aureus ATCC® 25923	Growth
Streptococcus pneumoniae ATCC® 6305	Growth
Streptococcus pyogenes ATCC® 19615	Growth

References
Bibliography available on request.

IFU044 GB 02/20 V6