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

EC REP **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

G.C. Growth
MAST® SELECTAVIAL

SV16 Series

Intended Use
For growth enhancement of *Neisseria gonorrhoeae*.

FOR IN VITRO DIAGNOSTIC USE ONLY

Contents
10 vials of MAST® SELECTAVIAL.

Formulation

Material:	Concentration in medium:
L-cystine	11.0mg/L
L-cysteine HCl	259.0mg/L
Thiamine HCl	0.03mg/L
Ferric nitrate	0.2mg/L
Cocarboxylase	1.0mg/L
NAD	2.5mg/L
Guanine HCl	0.3mg/L
Adenine	10.0mg/L
L-Glutamine	100.0mg/L
PABA	0.13mg/L
Vitamin B12	0.1mg/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® G.C. Agar Base (DM136D), 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 The lyophilised supplement will rapidly dissolve and may be withdrawn into the syringe.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 this to the volume of medium specified on the pack label and discard the needle into an approved container.
4. Also add 10.0 mL of sterile 10% glucose solution to each litre of medium.
5. If selective supplements are required, these may be added at this stage e.g. MAST G.C. MAST® SELECTAVIAL VCT (SV5), VCNT (SV6) or VCN (SV7).
6. Mix gently but thoroughly to evenly distribute the selective agents. 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. Dry plates before use and then culture the specimen directly onto the surface of the supplemented medium.
9. Incubate plates at 30 to 37°C in a humid atmosphere containing 5 to 10% CO_2.

Interpretation of results
Gonococci grow as non-pigmented, translucent colonies. Any colour variation seen between batches of reconstituted vials is quite normal and does not in any way affect the microbiological performance of this product.

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
Neisseria gonorrhoeae ATCC® 43069	Growth
Neisseria gonorrhoeae ATCC® 49226	Growth
Escherichia coli ATCC® 25922	Significant or complete inhibition

References
Bibliography available on request.

IFU045 GB 02/20 V7