

# GC Growth Supplement

**S2271** 10 x 1 litre vials

*For the isolation of Neisseria gonorrhoeae from clinical specimens*

## FOR LABORATORY USE ONLY

### Contents/Vial

(use 1 vial/Litre of medium)

L-cystine	11.0 mg
L-cysteine	259.0 mg
Thiamine HCl	0.03 mg
Ferric nitrate	0.2 mg
Co-Carboxylase	1.0 mg
NAD	1.0 mg
Guanine HCl	0.3 mg
Adenine	10 mg
L-glutamine	100 mg
PABA	0.13 mg
Vitamin B12	0.1 mg

### Application

This mix of essential growth factors was formulated by Thayer and Martin to improve the isolation of *Neisseria gonorrhoeae* and other neisseria from clinical specimens.

**Ref:** Thayer JD, Martin JE , 1966. Improved medium selective for the cultivation of *N. gonorrhoeae* and *N meningitidis* . Public Heath rep. **81**: 559-562.

### Health & Safety

When used properly this material presents no hazard to the user should a vial be broken and the dry powder spilled observe standard laboratory precautions for disposal of low hazard waste.

### Instructions

Rehydrate the contents of one vial aseptically with 5 ml of sterile deionised water. The addition can be done either with a syringe and needle through the rubber stopper or by removing the stopper and adding the reconstitution fluid with a sterile pipette.

Add the reconstituted supplement aseptically to freshly sterilised medium that has been allowed to cool to 47°C, add other supplements. Mix well and pour.

**NOTE:** As the majority of supplements are heat labile addition should be made to cooled medium immediately before dispensing.

### Shelf Life

Lyophilised supplements have a long shelf life stored at 4°C (3 years from date of manufacture). Once reconstituted the material should be used immediately or discarded.

