

### INTENDED USE

PRO-LAB Suplex is intended as a nutritional supplement to be added to basal medium to provide essential growth factors.

### SUMMARY AND EXPLANATION

*N. gonorrhoeae* are most commonly isolated on media such as Thayer Martin<sup>1</sup>, modified Thayer Martin<sup>2</sup> and Martin Lewis<sup>3</sup>, all of which are formulated to include components such as blood, haemaglobin, yeast autolysate or extract, as well as a selection of antibiotics such as C.N.V.T. (PL.502).

Numerous workers have suggested the value of a chemically defined nutrient supplement as an addition to media selected for use in *N. gonorrhoeae* isolation. The formula for the most commonly used nutrient supplementation is to be found in the Manual of Clinical Microbiology<sup>4</sup>. This same formula is to be found in PRO-LAB Suplex PL.801.

### DESCRIPTION

The Suplex formula in accurate quantities is freeze-dried and provided in individually labelled vials, each vial being sufficient to supplement 1000 ml final medium.

### FORMULA

Each vial contains:

Adenine	0.010 gm
p-Aminobenzoic Acid	0.130 mg
Coccarboxalase	1.000 mg
Cysteine Hydrochloride	0.259 gm
Glucose	1.000 gm
NAD (Coenzyme I)	2.500 mg
Ferric Nitrate	0.200 mg
Guanine Hydrochloride	0.300 mg
L-Cystine	0.011 gm
L-Glutamine	0.100 gm
Thiamine Hydrochloride	0.030 mg
Vitamin B12	0.100 mg

### PROCEDURE

To reconstitute each vial of PRO-LAB Suplex PL.801, add aseptically, 10 ml of diluent supplied. After closing the vial, gently invert a few times to assist reconstitution. Prepare agar base according to the manufacturer's instructions. To each 1000 ml of medium being prepared, at a temperature not greater than 50°C, add the reconstituted contents of one vial of PRO-LAB Suplex PL.801. After the supplement has been added, gently swirl the medium to evenly disperse the supplement. After mixing, dispense into sterile petri dishes.

### IN USE

1. Before using selective medium ensure that plates are dry.
2. Inoculate test material onto surface of agar using sterile inoculating loop (PL.100) or, a sterile swab, in such a manner as to encourage the growth of isolated colonies.
3. Incubate plates at 35°-37°C in a humid atmosphere at 5-10% CO<sub>2</sub>.
4. Examine after incubation.
5. Gonococci will normally be seen as non-pigmented translucent colonies.

### SAFETY PRECAUTIONS

1. PRO-LAB Suplex PL.801 is offered only as an *in vitro* material and is in no way intended for a curative or prophylactic purpose.
2. During and after use, handle all materials in a manner conforming to Good Laboratory Practices and consider at all times that material under test should be regarded as a potential biohazard if mishandled.

### PRESENTATION

PRO-LAB Suplex PL.801 is supplied in boxes containing 5 vials of lyophilized supplement and 5 vials of diluent.

### STORAGE

PRO-LAB Suplex PL.801 must be stored at 2° to 8°C. Kept under these conditions it may be used up to date of expiry shown on product label.

### REFERENCES

1. Thayer, J.D., Martin, J.E. 1966. Public Health Reports 81: 579.
2. Martin, J.E., Armstrong, J.H., Smith, P.B. 1974. Applied Microbiology 27:802-805.
3. Martin, J.E., Lewis, J.S., Public Health Laboratory 35:53-62.
4. Lennette, E.H., Balows, A., Hausler, W.J. and Shadomy, H.J. (eds) 1985. Manual of Clinical Microbiology, 4th ed. p. 1085.

