

INTENDED USE

PRO-LAB Neomycin Supplement is an antibiotic supplement for the selective isolation of clostridia and Gram-negative anaerobes.

SUMMARY AND EXPLANATION

In recent years the number of anaerobic organisms isolated from clinical specimens has increased significantly. This has mainly been due to more widespread use of selective media and has led to a greater awareness of the importance of anaerobic infections. Revisions in anaerobic techniques¹ and the usefulness of a number of media for different anaerobic species have been reported².

Two groups of workers, Hobbs, Williams and Willis³, as well as Sutton, Ghosh and Hobbs⁴ have shown the value of neomycin sulphate for the selective isolation of clostridia. More recently, Wren⁵ compared the usefulness of a number of anaerobic selective media. Neomycin agar (75 mg/l) gave good results with clostridia and Gram-negative anaerobes.

DESCRIPTION

An accurate quantity of Neomycin sulphate is lyophilized and provided in individually labelled vials, each vial being sufficient to supplement 1000 mls of prepared medium.

FORMULA

Each vial contains:

Neomycin sulphate 75 mg

PROCEDURE

To reconstitute each vial of PRO-LAB Neomycin Supplement, add, aseptically, 10ml of sterile distilled water. After closing the vial, gently agitate to assist reconstitution. The resultant solution should be clear and free from visible particulate matter. Add the contents of the vial to a final 1000 ml prepared medium (Columbia Agar, Brucella Agar or other suitable medium of choice, supplemented with 5-7% sterile defibrinated horse blood) at a temperature not greater than 50°C. Mix gently and pour into sterile petri dishes. Overnight storage at 4°C is recommended to allow suitable equilibration. For extended storage at 4°C, eg. up to 7 days, plates should be contained in sealed plastic sleeves or similar packaging.

IN USE

1. Before using selective medium ensure that plates are dry.
2. Inoculate test material onto surface of agar using sterile inoculating loop (available from PRO-LAB) or a sterile swab in such a manner as to encourage the growth of isolated colonies.
3. Incubate plates anaerobically in an anaerobic jar or cabinet at 37°C.
4. Examine plates after 48 hours, but continue incubation for up to 5 days.

SAFETY PRECAUTIONS

1. PRO-LAB Neomycin Supplement PL. 440 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 Practice and consider at all times that material under test should be regarded as a potential biohazard if mishandled.

PRESENTATION

PRO-LAB Neomycin Supplement PL. 440 is supplied 10 vials per box (lyophilized).









STORAGE

PRO-LAB Neomycin Supplement PL. 440 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. Wren, M.W.D., Baldwin, A.W.F., Elden, C.P. and Sanderson, P.J. 1971. J. Med. Microbiol. 10: 49-61.
2. Finegold, S.M., Sugihara, P.T. and Sutter, V.L. 1971. Soc. Appl. Bact. Tech. Ser. No. 5: 99-108.
3. Hobbs, G., Williams, K. and Willis, A.T. 1971. Soc. Appl. Bact. Tech. Ser. No. 5: 1-28.
4. Sutton, R.G.A., Ghosh, A.C. and Hobbs, B.C. 1971. Soc. Appl. Bact. Tech. Ser. No. 5: 39-47.
5. Wren, M.W.D. 1980. J. Clin. Pathol. 33: 61-65.

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	= Use by
	= Lot number
	= Catalogue number
	= Manufacturer
	= Authorized Representative in the European Community.
	= in vitro diagnostic medical device.
	= Temperature limitation
	= Consult instructions for use.