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NYC medium

Cat No. PD054, DD005,DS002

Medium for detection of *Neisseria Gonorrhoeae* and *Neisseria Meningitis*

Rapid diagnosis of gonorrhoeae not only benefits the individual patient but also improves the control of this infection within the community.

New York City (NYC) medium was developed by a group of American clinical microbiologists from the New York City Department of Health for the rapid recovery of pathogenic *Neisseria* infections. This medium provides rapid (24 hrs), luxuriant and highly selective growth of pathogenic *Neisseria*.

In clinical field trials, NYC medium has been tested in parallel with Thayer Martin and Transgrow. The results⁽¹⁾ indicate that NYC medium is superior in terms of recoveries on *N. gonorrhoeae* as well as of incidence and degree of contamination.

The occurrence of Vancomycin resistant strains of *N. gonorrhoeae* has been reported⁽²⁾, prompting special comparative studies with the use of lincomycin instead of vancomycin. The conclusions of this study show that vancomycin at a level of 2µg/ml, together with amphotericin B, colistin and trimethoprim lactate, maintains a high degree of selectivity for the medium without loss of fastidious gonococci.

NYC medium also readily supports the growth of *N. meningitis*, large colony mycoplasmas and *T-mycoplasmas*⁽³⁾⁽⁴⁾. Thus it is doubly useful in the diagnosis of gonorrhoeae and in the recognition of active asymptomatic mycoplasma infections.

All this makes NYC medium suitable for use in large volumes screening programs as well as in the recovery of pathogenic *Neisseria* in routine diagnostic laboratories.

Use

Each clinical specimen is collected on a swab that is placed directly on the medium.

After inoculation the plates are incubated in a CO₂ atmosphere at 35°C for 18 to 48 hours. CO₂ environment about 5%.

Availability:

NYC medium is available commercially from Hy-Labs in packets of 10 Petri dishes and in a clinical slide form together with CO₂ forming pills.



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The constitution per litre of medium is as follows:

Corn-starch	1 g
Agar	20 g
Glucose	5 g
Sodium Chloride	5 g
Dipotassium Phosphate	4 g
Monopotassium Phosphate	1 g
Proteose Peptone No. 3 or suitable equivalent	15 g
Horse plasma	120 ml
Yeast Dialysate	25 ml
Lysed Horse Red Cells (3% solution)	6 ml
Vancomycin (TM Eli Lilly & Co.)	2 mg
Trimethoprim Lactate (TM Burroughs Wellcome)	4 mg
Colistin (TM Warner Chilcott Laboratories)	5 mg
Amphotericin B (TM. E. R. Squibb)	1.2 mg

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