

PRODUCT INFORMATION

Product Type: PETRI DISHES 90mm

Cat No. PD054 - NYC MEDIUM

Intended Use:

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

Principles and uses:

NYC medium also readily supports the growth of *Neisseria Gonorrhoeae* and *Neisseria Meningitis*. 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. 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.

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

Reference:

1. Y.C Faur, M.H. Weisburd, M. E. Wilson & P.S. May; Health Lab. Science, 10 (1973) 44. Y.C. Faur, M.H. Weisburd & M.E. Wilson; Health Lab Science 10 (1973), 55. Y.C. Faur, M.H. Weisburd & M.E. Wilson, Health Lab Science 10 (1973) 61.

Storage: 2-8°C

Appearance: Transparent Amber clear

pH Range: 6.9 - 7.3

Package contents: 10 plates in a package

Shelf life: 1.5 months

Exp. Date: Printed on label and on the item.

Required materials not supplied: Laboratory equipment as required.

Composition g/L

Peptocomplex (Mixture of Peptones) 15g/L

Agar 15g/L

Corn-Starch 1 G/L

KH₂PO₄ 1g/L

K₂HPO₄, 3H₂O 5.23g/L

Equine Serum 120ml/L

Sodium Chloride 5gr/L

DMSO - Dimethyl Sulfoxide 0.130ml/L

Glucose 5g/L

Dry yeast 5g/L

Additives Supplements:

Vitamin B12: 0.01 mg/L

L-Glutamine: 10 mg/L

Adenine: 1 mg/L

Guanine HCl: 0.03 mg/L

p-Aminobenzoic acid: 0.013 mg/L

L-Cystine: 1.1 mg/L

NAD (Coenzyme 1): 0.25 mg/L

Coccarboxylase: 0.1 mg/L

Ferric nitrate: 0.02 mg/L

Thiamine HCl: 0.003 mg/L

L-Cysteine HCl: 25.9 mg/L

Glucose 0.25g/L

Vancomycin 3 mg/L

Colistin 7.5 mg/L

Nystatin 12500 U/L

Trimethoprim 5 mg/L

Amphotericin B 1.25mg/L

Growth factors Supplements

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation. Storage Instructions: On receipt, store plates in the dark at 2–8°C. Avoid freezing and overheating. Do not open until ready to use

Performance Testing Results:**GPT:** Inoculum 10-100 cfu.**Inhibitory properties:** inoculum 10000 cfu.

TEST	ATCC	Incubation Temp. (°C)	Incubation Cond.	Reaction 1 NYC MEDIUM
<i>Neisseria gonorrhoeae</i>	49226	33-37 °C	5% CO2, 24-48 hours	Growth
<i>Neisseria meningitidis</i>	13090	33-37 °C	5% CO2, 24-48 hours	Growth
<i>Candida albicans</i>	10231	33-37 °C	5% CO2, 24-48 hours	Almost totally inhibited Black brown
<i>Staphylococcus aureus</i>	25923	33-37 °C	5% CO2, 24-48 hours	Inhibited
<i>Escherichia coli</i>	25922	33-37 °C	5% CO2, 24-48 hours	Partially inhibited
<i>Proteus mirabilis</i>	4630	33-37 °C	5% CO2, 24-48 hours	Partially inhibited