

PRODUCT INFORMATION

Product Type: PETRI DISHES 90mm

Cat No. PD239 - GC AGAR

Intended Use:

GC Agar has been formulated according to the CSLI recommendations for susceptibility testing of *N. gonorrhoeae* by the Disk Diffusion Method.

Principles and uses:

GC Agar supplemented with horse serum, defibrinated horse blood, and Additives Supplements is used for the isolation and cultivation of fastidious microorganisms, particularly *Neisseria gonorrhoeae*. The enriched medium supports the growth of various fastidious bacteria that have complex nutritional requirements. The medium contains casein and meat peptones as sources of nutrients. Phosphate buffers are included to prevent changes in pH due to amine production that would affect the survival of the organisms. The presence of starch neutralizes toxic fatty acids that may be present in the agar. The addition to the base of 1% of defined growth supplements, provides the required essential nutrients to the growth of *N. gonorrhoeae*, avoiding any possible antagonism with the antimicrobial agents.

Formulation

Special peptone 7.5g/L

Corn starch 0.5g/L

Sodium chloride 2.5g/L

Di-potassium hydrogen phosphate 2.0g/L

Potassium dihydrogen phosphate 0.5g/L

Agar 5g/L

Horse Serum 70ml/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

Growth factors Supplements

Storage: 2-8 °C
Appearance: straw, hazy
pH Range: 7.0 - 7.4
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.

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:

TEST	ATCC	Incubation Temp. (°C)	Incubation Cond	Reaction 1	Antibiotic 1	Antibiotic 2
<i>Neisseria gonorrhoeae</i>	49226	33-37 °C	5% CO2, 24 hours	Sensitive	Penicillin*	Tetracycline*

* The inhibition zone diameter in mm meets the acceptance limits described in CLSI standard documents - M100s performance standards.