PRODUCT INFORMATION

Product Type: Tubes

Cat No. TT414 - BHI AGAR + CHLORAMPHENICOL + GENTAMYCIN (SLANTED)

Intended Use:

Brain Heart Infusion Agar (BHI) with the antibiotics Gentamicin and Chloramphenicol is a selective agar for the isolation and cultivation of fungi, especially yeasts and molds from clinical and environmental specimens.

Principles and uses:

Purpose of the Medium: Selective isolation and cultivation of fungi (yeasts and Molds), particularly from samples that may be contaminated with bacteria. Suppressing bacterial growth due to the presence of gentamicin and chloramphenicol, which are broad-spectrum antibiotics.

The media supports the growth of a wide range of pathogenic and saprophytic fungi due to the rich nutrient base (brain and heart infusions, gelatine peptone, dextrose).

Agar uses as solidifying agent, Dextrose is a Carbohydrate source for energy, Disodium phosphate uses as Buffer to maintain pH, gelatine peptone is a Nitrogen and growth factor for fungi, Sodium chloride Maintains osmotic balance, Heart infusion is a rich source of nutrients, supports fastidious organisms, Brain infusion is additional nutrients for enhanced fungal growth, Gentamicin Inhibits Gram-negative and some Gram-positive bacteria, Chloramphenicol is a Broad-spectrum antibiotic that inhibits most bacteria.

Composition:

Agar – 18 g/L
Dextrose - 2 g/L
Disodium phosphate - 2.5 g/L
Gelatine peptone - 10 g/L
Sodium chloride - 5 g/L
Heart infusion - 10 g/L
Brain infusion - 7.5 g/L
Gentamicin - 100mg/L
Chloramphenicol – 0.3g/L

Storage: 2-8°C
Appearance: Light amber, slightly opalescent
pH Range: 7.0 - 7.6

Package contents: 20 Tubes
Exp. Date: Printed on label and on the item.
Required materials not supplied: Laboratory equipment as required.

Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Tubes 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.

Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

Performance Testing Results:

Streaking from fresh colony culture.

TEST	ATCC	Incubation Temp. (℃)	Incubation Cond	Reaction 1	
Candida albicans	10231	20-25 ℃	Aerobic, up to 7 days	Growth	
Trichophyton rubrum	MYA 4438	20-25 ℃	Aerobic, up to 7 days	Growth	White mycelium
Penicillium notatum	10108	20-25 ℃	Aerobic, up to 7 days	Growth	
Aspergillus brasiliensis	16404	20-25 ℃	Aerobic, up to 7 days	Growth	Black spores
Escherichia coli	25922	20-25 ℃	Aerobic, up to 7 days	Partially inhibited	
Staphylococcus aureus	25923	20-25 ℃	Aerobic, up to 7 days	Inhibited	
Pseudomonas aeruginosa	27853	20-25 ℃	Aerobic, up to 7 days	Inhibited	

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