PRODUCT INFORMATION

Product Type: Tubes

Cat No. TT148 - STOCK AGAR

Intended Use:

Recommended for maintenance of cultures of Streptococci and other microorganisms

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Principles and uses:

Maintenance medium are essentially designed to maintain the viability of cultures over an extended period of time. Stock Culture Agar serves its main purpose (i.e. maintaining viability) chiefly due to its semisolid nature, a well-buffered environment and the presence of casein and dextrose, the latter, which serves as a source of energy. Many fastidious organisms like Mycobacterium species, S. pneumoniae, show good growth on this medium. HM infusion B, proteose peptone, gelatin and M-protein, purified serve as sources of nitrogen, vitamins and amino acids. Dextrose is a carbon and energy source. Disodium phosphate serves as a buffering agent while sodium citrate acts as a preservative.
Type of specimen: Pure isolate

Formula:

HM infusion B from 500g * 10.000g/L
Proteose peptone 10.000 g/L
Gelatine 10.000g/L
Dextrose (Glucose) 0.500g/L
M-protein, purified 5.000g/L
Disodium hydrogen phosphate 4.000g/L
Sodium citrate 3.000g/L
Agar 9.500g/L
*Equivalent to Beef heart, infusion from

Storage: 2-8°C
Appearance: Light yellow coloured opalescent
pH Range: 7.3 - 7.7

Package contents: 20 Tubes
Shelf life: 6 months
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
Staphylococcus aureus	25923	33-37 ℃	Aerobic, 18-24 hours	Growth
Streptococcus pyogenes group A	19615	33-37 ℃	Aerobic, 18-24 hours	Growth
Escherichia coli	25922	33-37 ℃	Aerobic, 18-24 hours	Growth
Neisseria meningitidis	13090	33-37 ℃	Aerobic, 18-24 hours	Growth
Candida albicans	10231	33-37 ℃	Aerobic, 18-24 hours	Growth

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Implementation Date: 03/08/25
Version Number: 01