PRODUCT INFORMATION

Product Type: PETRI DISHES 90mm
Tubes (16*150)

Cat No. PD249 – SDA + CHLORAMPHENICOL+ GENTAMYCIN
TT233/B - SDA + CHLORAMPHENICOL+ GENTAMYCIN

Intended Use:
Sabouraud Dextrose Agar is used in qualitative procedures for cultivation of pathogenic and nonpathogenic fungi, particularly dermatophytes. The medium is rendered more selective for fungi by the addition of antimicrobics. The inclusion of gentamicin and chloramphenicol helps prevent contamination of the culture medium by bacteria, ensuring that fungal growth is not obscured or compromised by bacterial overgrowth.

Principles and uses:
Sabouraud Dextrose Agar is a general-purpose medium devised by Sabouraud for the cultivation of dermatophytes. The low pH of approximately 5.6 is favorable for the growth of fungi, especially dermatophytes, and slightly inhibitory to contaminating bacteria in clinical specimens. The addition of antimicrobics is a modification designed to increase bacterial inhibition. Sabouraud dextrose media are peptone media supplemented with dextrose to support the growth of fungi. Peptones are sources of nitrogenous growth factors. The carbohydrate provides an energy source for the growth of microorganisms. Gentamicin is an aminoglycoside antibiotic that inhibits the growth of gram-negative bacteria. Chloramphenicol is inhibitory to a wide range of gram-negative and gram-positive bacteria.

Limitation of the Procedure:
Some fungi may be inhibited by the acidic pH of the medium and by the antimicrobics in the selective media.

Formulation

Enzymatic Digest of Casein	10.0 g/L
Dextrose	40.0 g/L
Agar	15.0 g/L
Gentamicin	100 mg/L
Chloramphenicol	0.3 g/L

Storage: 2-8 °C
Final pH: 5.4 - 5.8
Appearance: Light to medium amber, slightly opalescent

Package contents: PD249 -10 plates in a package, **TT233/B** – 20 Tubes in a package
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 / Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes / 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.
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.
Trichophyton rubrum: Streaking from fresh colony culture

TEST	ATCC	Incubation Temp. (℃)	Incubation Cond.	Reaction 1	
Trichophyton rubrum	MYA 4438	20-25 ℃	Aerobic, 3-5 days	Growth	White mycelium
Penicillium notatum	10108	20-25 ℃	Aerobic, 3-5 days	Growth	
Aspergillus brasiliensis	16404	20-25 ℃	Aerobic, 3-5 days	Growth	Black spores
Aspergillus terreus	WS	20-25 ℃	Aerobic, 3-5 days	Growth	White spores
Candida albicans	10231	20-25 ℃	Aerobic, 3-5 days	Growth	
Saccharomyces cerevisiae	2338	20-25 ℃	Aerobic, 3-5 days	Growth	
Escherichia coli	25922	20-25 ℃	Aerobic, 3-5 days	Partially Inhibited	
Pseudomonas aeruginosa	27853	20-25 ℃	Aerobic, 3-5 days	Inhibited	
Staphylococcus aureus	25923	20-25 ℃	Aerobic, 3-5 days	Inhibited	

Incubation
Condition: Aerobic Time: Up To 7 Days Temp.:20-25 Deg. C

Hy Laboratories Ltd.
6 Menachem Plaut St., Park Tamar, Rehovot 7670606, Israel
Tel. +972.8.9366475 **Email.** hylabs@hylabs.co.il

Implementation Date: 31/07/25
Version Number: 01