BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1005	**DEY-ENGLEY NEUTRALIZING AGAR**
Formula	
Ingredients :	**gms/lit.**
Casein enzymic hydrolysate	5.00
Yeast extract	2.50
Dextrose	10.00
Sodium thiosulphate	6.00
Sodium thioglycollate	1.00
Sodium bisulphite	2.50
Lecithin	7.00
Polysorbate 80	5.00
Bromo cresol purple	0.02
Agar	15.00
Final pH (at 25°C) : 7.6 ± 0.2	
Directions :	
Suspend 54.02 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle :	
Dey – Engley Neutralizing medium is formulated as per the procedure described by Engley and Dey. The dey Engley Neutralizing media neutralizes a broad spectrum of antiseptics and disinfectants including quaternary ammonium compounds, phenolics, iodine and chlorine preparations, mercurials, formaldehyde and glutaraldehyde. Sodium thioglycollate, sodium thiosulphate, sodium bisulphate, soya lecithin and polysorbate 80 act as neutralizing components.	

QC Tests – (I)Dehydrated Medium	
Colour :	Light yellow to bluish grey
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.6 ± 0.2
Colour (post autoclaving/heating) :	Purple to reddish purple
Clarity (post autoclaving/heating) :	Opalescent gel (May have particulate precipitate)
(III)Q.C. Test Microbiological	

Cultural characteristics observed after 40-48 hrs.at 35-37°C.		
MICROORGANISM (ATCC)	GROWTH	
Bacillus subtilis (6633)	Luxuriant	
Escherichia coli (25922)	Luxuriant	
Pseudomonas aeruginosa (27853)	Luxuriant	
Salmonella typhimurium (14028)	Luxuriant	
Staphylococcus aureus (25923)	Luxuriant	
Aspergillus brasiliensis(16404)	Luxuriant	
Candia albicans(10231)	Luxuriant	

Precautions :	1. For Laboratory Use.
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use :	**B1005:** for disnfectant testing, where neutralization of the chemical is important for determining its bactericidal activity.
Storage :	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.
Packing :	500 gm bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1005	54g/l	9.259L	7.6 ± 0.2	NIL	121^0C / 15 minutes

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