

TECHNICAL SHEET

B1254	SD AGAR	
Formula		
Ingredients :	gms/lit.	
Ammonium sulphate	5.00	
Dextrose	20.00	
Biotin	0.00002	
Calcium pantothenate	0.002	
Folic acid	0.000002	
Inositol	0.01	
Niacin	0.0004	
p-Amino benzoic acid (PABA)	0.0002	
Pyridoxine hydrochloride	0.0004	
Riboflavin	0.0002	
Thiamine hydrochloride	0.0004	
Boric acid	0.0005	
Copper sulphate	0.00004	
Potassium iodide	0.0001	
Ferric chloride	0.0002	
Manganese sulphate	0.0004	
Sodium molybdate	0.0002	
Zinc sulphate	0.0004	
Potassium dihydrogen phosphate	0.850	
Dipotassium hydrogen phosphate	0.150	
Magnesium sulphate	0.50	
Sodium chloride	0.10	
Calcium chloride	0.10	
Agar	20.00	
Final pH (at 25°C) : 6.9 ± 0.2		
Directions :		
Suspend 46.71 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.		
Principle :		
Dextrose provides on energy source, while the salts serve as a source of nutrition for metabolic reactions.		
QC Tests – (I)Dehydrated Medium		
Colour :	Cream to beige	
Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium		
pH (post autoclaving/heating) :	6.9 ± 0.2	
Colour (post autoclaving/heating) :	Light amber	
Clarity (post autoclaving/heating) :	opalescent gel	
(III)Q.C. Test Microbiological		
Cultural characteristics observed after an incubation at 25-30°C for 48 - 72 hours.		
MICROORGANISM (ATCC)	GROWTH	
Candida albicans (10231)	luxuriant	
Saccharomyces cerevisiae (9763)	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 :	It is used for the growth of yeasts for molecular biology purposes.	
Storage :	Dehydrated medium- below 30°C Prepared medium – Between 2 to 8°C.	
Packing :	500 gm. bottle	
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Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1254	46.71 g/l	10.70 L	6.9 ± 0.2	Nil	121°C/15 minutes.