

B464	DEXTROSE TRYPTONE AGAR				
Formula	gms/lit.				
Ingredients :					
Casein enzymic hydrolysate	10.00				
Dextrose	5.00				
Bromo cresol purple	0.04				
Agar	15.00				
Final pH (at 25°C) : 6.7 ± 0.2					
Directions :					
Suspend 30.04 grams in 1000 ml distilled water. Heat to boiling the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
Dextrose Tryptone Agar contains Casein enzymic hydrolysate to provide carbon and nitrogen sources for general growth requirements. Dextrose is the carbohydrate source. Bromo Cresol Purple is the pH indicator. Acid producing organisms produce yellow colonies. Agar is the solidifying agent.					
QC Tests – (I) Dehydrated Medium					
Colour :	Light yellow to greenish yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
PH (post autoclaving/heating) :	6.7 ± 0.2				
Colour (post autoclaving/heating) :	Purple				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 54-56°C for 36-48					
MICROORGANISM (ATCC)	GROWTH		COLOUR OF MEDIUM		
Bacillus coagulans (8038)	Good to luxuriant		Yellow		
Bacillus stearothermophilus (7953)	Good to luxuriant		Yellow		
Bacillus brevis (8246)	Good to luxuriant*		Yellow		
Key: * = with or without dextrose fermentation.					
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 :	For detection and enumeration of mesophilic and thermophilic aerobic organisms in foods.				
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
B464	30.04 g/l	16.644 L	6.7 ± 0.2	NIL	121°C / 15 minutes