

B481	DNASE TEST AGAR BASE W/ TOLUIDINE BLUE				
Formula					
Ingredients :	gms/lit.				
Tryptose	20.00				
Deoxyribonucleic acid (DNA)	2.00				
Sodium chloride	5.00				
Toluidine blue	0.10				
Agar	15.00				
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 42.1 gms in 1000 ml. distilled water. Heat with frequent agitation to dissolve the medium completely. Sterilize by autoclaving at 12 to 15 lbs pressure (118°C to 121°C) for 15 minutes. Cool to 45°C and pour into sterile Petri plates.					
Principle :					
Tryptose provide nitrogen, amino acids and other nutrients. Deoxyribonucleic Acid enables the detection of DNase that depolymerizes DNA. Sodium Chloride provides essential ions while maintaining osmotic balance. Toluidine blue is a colorimetric indicator. Agar is a solidifying agent.					
QC Tests – (I)Dehydrated Medium					
Colour :	Blue				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.3 ± 0.2				
Colour (post autoclaving/heating) :	Blue				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 –24 hrs at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	DNASE ACTIVITY			
Staphylococcus aureus (25923)	Luxuriant	+			
Staphylococcus epidermidis (12228)	Luxuriant	-			
Streptococcus pyogenes (19615)	Luxuriant	+			
Serratia marcescens (8100)	Luxuriant	+			
Key: + = change in colour from blue to pink purple around the growth when toluidine blue is used.					
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 of deoxyribonuclease activity of microorganisms.				
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
B481	42.1g/l	11.87L	7.3 ± 0.2	Nil	118°C to 121°C) for 15 minutes.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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