

**TECHNICAL SHEET**

<b>B1340</b>	<b>DNASE AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Tryptone		20.00				
Deoxyribonucleic acid (DNA)		2.00				
Sodium chloride		5.00				
Agar		15.00				
Final pH (at 25°C) : 7.3 ± 0.2						
<b>Directions :</b>						
Suspend 42 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.						
<b>Principle :</b>						
Tryptone 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. Agar is a solidifying agent.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
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.						
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For detection of deoxyribonuclease activity of bacteria and fungi and especially for identification of pathogenic Staphylococci.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1340</b>		42g/l	11.90L	7.3 ± 0.2	NIL	118°C to 121°C / 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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.