BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

PP008 DNase Test Agar w/	/ Toluidine	blue Plate		
Formula				
Ingredients:	gms/lit.			
Tryptone	15.00			
Soya peptone	5.00			
Deoxyribonucleic acid (DNA)	2.00			
Sodium chloride	5.00			
Toluidine blue	0.10			
Agar	15.00			
Final pH (at 25°C): 7.3 <u>+</u> 0.2				
Directions:				
Label the ready to use plate (PP008). Either streak, inoculate or surface spread the				
test inoculum (50-100 CFU) aseptically on the plate.				
Principle:				
Tryptone and soya peptone 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. Tryptose				
provide essential nutrients. DNase depolymerizes the DNA resulting in the formation				
of a clear zone around the microbia	I growth wh	iich is visu	alized by foluidine blue	
added to the medium, itself, DNase a	ctivity result	in the pro	oduction of a bright pink	
reaction due to the metachromatic property of toluidine blue. Some strains of				
Staphylococci may be inhibited on DNase Test Agar due to toluidine blue.				
	7.3 ± 0.2			
Colour:	Blue coloure	d, clear to si	igntly opalescent gel .	
Appearance:	Sterile DNase Test Agar w/ Toluidine blue in			
	90X15mm disposable plates.			
(II)Sterility test	Passes release criteria			
Cultural characteristics observed at	ter incubatio	on at 35-37	C for 18-24 hours.	
MICROORGANISM (ATCC)		GROWTH	D-NASE ACTIVITY	
Serratia marcescens 8100	50-100	Luxuriant	positive reaction, pink	
			to red zone around the	
			growth	
Staphylococcus aureus 25923	50-100	Luxuriant	positive reaction, pink	
			to red zone around the	
			growth	
Staphylococcus epidermidis 12228	50-100	Luxuriant	negative reaction	
(00036*)				
Streptococcus pyogenes19615	50-100	Luxuriant	positive reaction, pink	
			to red zone around the	
			growth	

Refer disclaimer Overleaf

Page 01 of 02

BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

Precautions :	1. In Vitro diagnostic use only.	
	2. Read the label before opening the container	
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:	Recommended for the detection of deoxyribonuclease activity of bacteria and fungi, and especially for identification of Staphylococci.	
Storage:	Store between 2-8°C. Use before expiry date on the label.	
Packing:	10/20/50 disposable plates.	

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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Page 02 of 02