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## **TECHNICAL SHEET**

B286	Phenol Red Dextro	se Broth							
Formula	I Hellor Rea Dextre	Broth							
		gms/lit.							
Proteose peptone		10.00							
Beef extract	•	1.00							
Sodium chloride		5.00							
Phenol red		0.018							
Dextrose	5.00								
Final pH (at 25°C	C): 7.4 <u>+</u> 0.2								
Directions :									
	rams in 1000 ml distill								
	nentation tubes (tubes	containing i	nverted Durnam's	s tubes). Ste	erilize by auto	ociaving at 15			
	1°C) for 15 minutes.								
Principle :									
	and beef extract serv								
	I red is the pH indicate		ns yellow at acid	ic pH i.e. on	fermentation	n of dextrose.			
	seen in Durham's tube	es.							
	hydrated Medium	D: 1							
Colour :		1	Pink						
Appearance :		Homoge	Homogeneous Free Flowing powder						
(II)Rehydrated n									
	laving/heating) :		$7.4 \pm 0.2$						
	autoclaving/heating):		Red to orange red						
	autoclaving/heating):	Clear	Clear						
(III)Q.C. Test N									
	acteristics observed af	er an incuba				necessary).			
MICROORGANI	MICROORGANISM (ATCC )		ACII	)	GAS				
Citrobacter freundii (8090)		Luxuriant	+		+				
Enterobacter aerogenes (13048)		Luxuriant	+		+				
Escherichia coli (25922)		Luxuriant	+		+				
Klebsiella pneumoniae (13883)		Luxuriant	+		+				
Proteus vulgaris (13315)		Luxuriant	+		+				
Salmonella ty	Salmonella typhimurium (14028)		+		+				
Salmonella typhi ( 6539 )		Luxuriant	+		_				
Serratia marcescens (8100)		Luxuriant	+		+				
	Shigella flexneri (12022)		+		<u> </u>				
	egative reaction, no	Luxuriant	Т						
colour change	tive reaction, yellow colo								
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.							
		2. The addition of some carbohydrates to the basal medium may cause an acid reaction.							
	To restore the original								
	drop – by – drop ba					, which would			
	prevent fermentation from occurring within the usual incubation period.								
	3. To ensure accuracy of interpretation, uninoculated control tubes and/or inoculated								
Phenol Red Broth Base control tubes should be run in parallel with the ferment						entation tests.			
					Page 01	of 02			

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Use :	For Dextrose fermentation studies 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				
B286	21.02 g/l	23.786 L	7.4 <u>+</u> 0.2	Nil	121°C / 15 minutes				