# **BIOMARK Laboratories-INDIA**

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# **TECHNICAL SHEET**

Formula Ingredients: Proteose peptone Meat Extract B# Sodium chloride Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:	Phenol Red Manni	gms/ 10.0	/lit.							
Ingredients: Proteose peptone Meat Extract B# Sodium chloride Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:		10.0								
Proteose peptone Meat Extract B# Sodium chloride Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:		10.0								
Meat Extract B# Sodium chloride Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:			()()							
Sodium chloride Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:		1.0								
Phenol red Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:		FΛ								
Mannitol #- Equivalent to Be Final pH (at 25°C): Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:			5.00							
#- Equivalent to Be Final pH (at 25°C): <b>Directions:</b> Suspend 21.02 gra completely. Distrib autoclaving at 15 lb <b>Principle:</b>		0.018 5.00								
Final pH (at 25°C):  Directions:  Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:	of outroot	5.00	U							
Directions: Suspend 21.02 gra completely. Distrib autoclaving at 15 lb Principle:										
Suspend 21.02 gra completely. Distrib autoclaving at 15 lb <b>Principle:</b>	7.4 <u>+</u> 0.2									
completely. Distrib autoclaving at 15 lb <b>Principle :</b>										
autoclaving at 15 lt Principle:	Suspend 21.02 grams in 1000 ml distilled water and mix well. Heat if necessary, to dissolve the medium completely. Distribute in fermentation tubes (tubes containing inverted Durham's tubes). Sterilize by									
Principle:					it's tubes). Sterilize by					
	os pressure (121°C)	101 13	HIIIIL	ites.						
Illustaces Dentene	and Moot Extract D	ida	<b>.</b> +b.o.	and nituation according	wined for seed snowth of					
				carbon and nitrogen sources req intains the osmotic balance of th						
				to yellow when acid is produced						
the added carbohy		eu – oi	ange	to yellow when acid is produced	during termentation of					
QC Tests - (I)Dehydrated Medium				ight yellow to pink						
	Colour :									
Appearance :	P	Н	omog	eneous Free Flowing powder						
(II)Rehydrated med										
pH (post autoclaving/heating):			$7.4 \pm 0.2$							
Colour (post autoclaving/heating):			Red							
	toclaving/heating) :	CI	Clear							
(III)Q.C. Test Mic										
			er 18 - 24 hrs.at 35 -37°C.							
MICROORGANISM (ATCC )		GROW	GROWTH ACID		GAS					
Citrobacter freundii (8090)		Luxuriant		Positive reaction, yellow colour	Positive reaction					
	()			, <b>,</b> ,						
Enterphactor agreement (12049)		Luvuria	nt	Positive reaction, yellow colour	Positivo roaction					
,		Luxuriant		Positive reaction, yellow colour						
Klebsiella pneumoniae (13883)		Luxuriant		Positive reaction, yellow colour	Positive reaction					
Proteus vulgaris (13315)		Luxuriant		Negative reaction, no colour	Negative reaction					
Salmonella typhimurium (14028) l		Luxuriant		Positive reaction, yellow colour	Positive reaction					
Salmonella typhi (6539)		Luxuriant		Positive reaction, yellow colour	Negative reaction					
				Positive reaction, yellow colour	Negative reaction					
				Positive reaction, yellow colour						
Precautions: 1. For Laboratory Use.										
2. Follow proper, established laboratory procedures in handling and disposing of										
infectious materials.										
	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 pH (and colour of the medium), add 0.1 N sodium hydroxide on a									
	drop – by – drop basis. Take care not to make the medium too alkaline, which would									
	prevent fermentation from occurring within the usual incubation period.									
l	3. To ensure accuracy of interpretation, uninoculated control tubes and/or inoculated									
	henol Red Broth Ba	se cont	rol tu	bes should be run in parallel witl	n the fermentation tests.					
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### **TECHNICAL SHEET**

Use:	For Mannitol fermentation studies of microorganisms.								
Storage:	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Packing:	500 gm. bottle								
Product profile:		Quantity on Preparation (500g)	рН (25°C)	Supplement	Sterilization				
B293	21.02 g/l	23.80 L	7.4 <u>+</u> 0.2	Nil	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 BIOMARKLABORATORIES publications.

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