

**TECHNICAL SHEET**

<b>B666</b>	<b>PEPTONE IRON AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		15.00			
Proteose peptone		5.00			
Ferric ammonium citrate		0.50			
Sodium glycerophosphate		1.00			
Sodium thiosulphate		0.08			
Agar		15.00			
Final pH (at 25°C) : 6.7 ± 0.2					
<b>Directions :</b>					
Suspend 36.58 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed medium to cool in an upright position.					
<b>Principle :</b>					
Peptic digest of animal tissue and proteose peptone provide nitrogenous compounds, sulphur and trace elements. Sodium thiosulphate and ferric ammonium citrate forms the H <sub>2</sub> S detecting system. Sodium glycerophosphate buffers the medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :		Yellow		
	Appearance :		Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :		6.7 ± 0.2		
	Colour (post autoclaving/heating) :		Light amber		
	Clarity (post autoclaving/heating) :		Slightly opalescent		
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 18 - 48 hrs at 35-37°C.				
	MICROORGANISM (ATCC )		GROWTH	H <sub>2</sub> S PRODUCTION	
	Enterobacter aerogenes (13048)		Luxuriant	-	
	Escherichia coli (25922)		Luxuriant	-	
	Salmonella enteritidis (13076 )		Luxuriant	+	
	Salmonella typhi ( 6539 )		Luxuriant	+	
<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 hydrogen sulphide production by microorganisms.			
<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>B666</b>	36.58g/l	13.668L	6.7 ± 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 BIOMARK LABORATORIES publications.

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