

**TECHNICAL SHEET**

<b>B1155</b>	<b>BUFFERED GLUCOSE BROTH (MR VP MEDIUM)</b>				
<b>Formula</b>					
<b>Ingredients :</b> <span style="float:right"><b>gms/lit.</b></span>					
Buffered peptone					7.00
Dextrose					5.00
Disodium phosphate					5.00
Final pH (at 25°C) : 6.9± 0.2					
<b>Directions :</b>					
Suspend 17gms. in 1000 ml. distilled water. Heat if necessary to dissolve medium completely. Distribute in 10 ml. amounts in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Buffered Peptone and dextrose act as source of carbon, nitrogen, vitamins and minerals. Phosphates buffer the medium.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.9 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 –48hrs at 35-37°C.					
MICROORGANISM (ATCC )	GROWTH	MR Test	VP Test		
Escherichia coli (25922 )	Luxuriant	Positive with bright red color	Negative with no change		
Enterobacter aerogenes (13048 )	Luxuriant	Negative reaction (yellow color)	Positive reaction, Eosin pink / red color within 2-5 minutes		
Klebsiell pneumoniae (23357 )	Luxuriant	Negative reaction (yellow color)	Positive reaction, Eosin pink/red color within 2-5 minutes		
<b>Precautions :</b>	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
	3. May be Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed.				
<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.				
	2. The types and numbers of competing flora in the test sample can affect recovery and may overgrow salmonellae.				
<b>Use :</b>	Used as pre -enrichment medium increasing the recovery of injured Salmonella species from foods prior to selective enrichment and isolation.				
<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>B1155</b>	17g/l	29.411L	6.9 ± 0.2	NIL

**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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