

**BIOMARK Laboratories-INDIA**  
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**TECHNICAL SHEET**

<b>B760</b>	<b>MAC CONKEY BROTH PURPLE(w/o NaCl)</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Pancreatic digest of gelatin		20.00				
Lactose		10.00				
Bile Salt		5.00				
Bromo cresol purple		0.01				
Final pH (at 25°C) : 7.3 ± 0.2						
<b>Directions :</b>						
Suspend 35 gms. in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense into test tubes filled with inverted Durham tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Peptone provides amino acid and other growth factors. Lactose is a carbon energy source for gram – negative lactose – fermenting bacilli. Bile salt inhibits the growth of gram – positive organisms. Brom Cresol Purple is the indicator.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Purplish cream to light beige				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 – 24 hours at 35-37°C.						
<b>MICROORGANISM (ATCC )</b>		<b>GROWTH</b>	<b>ACID</b>	<b>GAS</b>		
Enterobacteraerogenes (13048)		Luxuriant	+	+		
Escherichia coli (25922)		Luxuriant	+	+		
Salmonella cholerasuis (12011)		Fair to good	--	--		
Staphylococcus aureus (25923)		Inhibited	--	--		
<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 the presumptive identification of coliforms from a variety of specimens such as water, milk and foods as per European Pharmacopoeia.				
<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>B760</b>	35g/l	14.285L	7.3 ± 0.2	Nil	121 <sup>0</sup> C / 15 minutes	

**Disclaimer:**

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