

**TECHNICAL SHEET**

<b>B1236</b>	<b>NUTRIENT BROTH NO. 2</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptone from meat		4.30				
Sodium chloride		6.40				
Peptone from casein		4.30				
Final pH (at 25°C) : 7.5 ± 0.2						
<b>Directions :</b>						
Suspend 15 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.						
<b>Principle :</b>						
Peptone from meat and Peptone from Casein provide the necessary nitrogen compounds, carbon and vitamins. Sodium chloride maintains osmotic equilibrium of 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) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 – 24 hrs at 35 – 37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Luxuriant				
Enterobacter aerogenes (13048)		Luxuriant				
Salmonella typhimurium (14028)		Luxuriant				
Klebsiella pneumoniae (13883 )		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>		As a general culture media.				
<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>B1236</b>	15g/l	33.33L	7.5 ± 0.2	NIL	121°C / 15 minutes	

**Disclaimer:**

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