

**TECHNICAL SHEET**

<b>B1144</b>	<b>BIFIDOBACTERIUM BROTH</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/litre</b>			
Casein enzymichydrolysate		20.00			
Peptic digest of animal tissue		10.00			
Yeast extract		10.00			
Tomato juice, solids		16.65			
Glucose		20.00			
Polysorbate 80		2.00			
Final pH (at 25°C): 6.8± 0.2					
<b>Directions:</b>					
Suspend 78.65 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute in tubes or flasks as desired. Sterilize by autoclaving at 15lbs pressure for 15 minutes					
<b>Principle:</b>					
Casein enzymichydrolysate, peptic digest of animal tissue and yeast extract provides essential growth nutrients. Glucose is the energy source and sodium chloride maintains isotonic conditions. Tomato juice helps in maintaining acidic pH while polysorbate 80 provides fatty acids required for metabolic activity of Bifidobacterium.					
<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) :	6.8 ± 0.2			
	Colour (post autoclaving/heating):	Amber			
	Clarity (post autoclaving/heating):	clear solution in tubes			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after24-48 hours at 35-37°C.				
	ORGANISM (ATCC)	GROWTH			
	Bifidobacterium bifidum (15696)	good-luxuriant			
	Bifidobacterium breve (15698)	good-luxuriant			
	Bifidobacterium infantis (25962)	good-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>	It is used for the cultivation of Bifidobacterium infantis .				
<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>B1144</b>	78.65g/l	6.35L	6.8 ± 0.2	None	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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