

**TECHNICAL SHEET**

<b>B1075</b>	<b>JENSENS BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Sucrose		20.00			
Dipotassium phosphate		1.00			
Magnesium sulphate		0.50			
Sodium chloride		0.50			
Ferrous sulphate		0.10			
Sodium molybdate	0.005				
Calcium carbonate		2.00			
Final pH (at 25°C) : Self					
<b>Directions :</b>					
Suspend 24.1 grams in 1000 ml distilled water. Heat just to boiling. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.					
<b>Principle :</b>					
Sucrose acts as the energy source. Sodium molybdate in the media increases the fixation of nitrogen. Sodium chloride maintains osmotic equilibrium of the media. Calcium stimulates nodulation when present as chloride or sulphate.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Cream to beige			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		Self			
Colour (post autoclaving/heating) :		Light cream			
Clarity (post autoclaving/heating) :		clear to slightly opalescent with a slight precipitate.			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed at 30°C for 7 days.					
MICROORGANISM (ATCC)		GROWTH			
Rhizobium japonicum (10324)		luxuriant			
Rhizobium leguminosarum (10004)		luxuriant			
Rhizobium meliloti (9930)		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 recommended for detection and cultivation of nitrogen fixing bacteria.					
<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>B1075</b>	24.1g/l	20.746 L	Self	Nil	121°C/15 min.

**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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