

TECHNICAL SHEET

B784	TOMATO JUICE BROTH					
Formula						
Ingredients :		gms/lit.				
Tomato juice		20.00				
Yeast extract		10.00				
Dextrose		10.00				
Dipotassium phosphate		0.50				
Monopotassium phosphate		0.50				
Magnesium sulphate		0.20				
Sodium chloride		0.01				
Ferrous sulphate		0.01				
Manganese sulphate		0.01				
Final pH (at 25°C) :		6.7 ± 0.2				
Directions :						
Suspend 41.23 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Tomato Juice is a source of carbon, protein and nutrients. Yeast Extract is a source of trace elements, vitamins and amino acids. Dipotassium phosphate and Monopotassium phosphate provide buffering capability. Magnesium sulfate, Ferrous sulfate and Manganese sulfate provide inorganic ions. Sodium chloride is a source of essential ions that maintain the osmotic balance of the medium.						
QC Tests - (I) Dehydrated Medium						
	Colour :	Light yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	6.7 ± 0.2				
	Colour (post autoclaving/heating) :	Light amber				
	Clarity (post autoclaving/heating) :	Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 40 – 48 hrs.at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Lactobacillus casei (9595)	Luxuriant				
	Lactobacillus leichmanni (4797)	Luxuriant				
	Saccharomyces cerevisiae (9763)	Luxuriant				
	Saccharomyces uvarum (9080)	Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		For cultivation of yeasts and other aciduric microorganisms.				
Storage :		Dehydrated medium and prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B784		41.23g/l	12.127L	6.7 ± 0.2	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 BIOMARKLABORATORIES publications.

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