

TECHNICAL SHEET

B765	TB BROTH BASE W/O TWEEN 80				
Formula					
Ingredients:		gms/lit.			
Proteose peptone		4.00			
Yeast extract		2.00			
Disodium phosphate		2.50			
Monopotassium phosphate		1.00			
Sodium citrate		1.50			
Magnesium sulphate		0.60			
Final pH (at 25°C): 7.0 ± 0.2					
Directions:					
Suspend 11.6 grams in 1000 ml distilled water, which if desired contains 5 ml glycerol (tested to be non-inhibitory to typical cultures). Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and enrich with dextrose to a final concentration of 0.5% and either bovine albumin fraction-V or serum as desired.					
Principle:					
Proteose peptone and yeast extract provide nitrogenous nutrients like amino acids and peptides, vitamin B complex and other essential nutrients. The medium is well buffered by phosphates. The salts present in the medium supply ions required for the mycobacterial metabolism. Sodium citrate inhibits gram-positive organisms and coliforms.					
QC Tests – (I)Dehydrated Medium					
	Colour:	Cream to yellow			
	Appearance:	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating):	Yellow			
	Clarity (post autoclaving/heating):	Clear solution without any precipitate.			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 35-37°C for 2-4 weeks				
	MICROORGANISM (ATCC)	GROWTH			
	Mycobacterium kansasii (12478)	luxuriant			
	Mycobacterium smegmatis (14468)	luxuriant			
	M. tuberculosis H37RV (25618)	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:	It is used for cultivation of Mycobacteria when the presence of oleic acid is undesirable.				
Storage:	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
Packing:	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B765	11.6 g/l	43.103 L	7.0 ± 0.2	0.5% dextrose bovine albumin fraction-V or serum	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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