

TECHNICAL SHEET

B087	TARTOFF-HOBBS BROTH (Terrific Broth)					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		12.00				
Yeast extract		24.00				
Monopotassium phosphate		9.40				
Dipotassium phosphate		2.20				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 47.6 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Add 4 ml. of glycerol to the medium. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate and yeast extract supply the necessary nutrients and cofactors for the excellent growth of recombinant strains of E.coli. High concentration of yeast extract in the medium facilitates higher cell yields. Two phosphates provide good buffering action to the medium. Glycerol serves as the carbon and energy source to the organisms.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light beige				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 35-37 °C.						
MICROORGANISM (ATCC)		GROWTH*				
Escherichia coli (39403)		Good				
Escherichia coli (47014)		Good				
Escherichia coli (23724)		Good				
Escherichia coli (53868)		Good				
Key * = growth is evident by the turbidity.						
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 the cultivation of recombinant strains of Escherichia coli.				
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
B087		47.6g/l	10.504L	7.2 ± 0.2	glycerol	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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