

TECHNICAL SHEET

B556	TRYPTONE YEAST EXTRACT BROTH (ISP MEDIUM NO. 1)				
Formula					
Ingredients :		gms/lit.			
Tryptone		5.0			
Yeast extract		3.0			
Final pH (at 25°C) :		7.0 ± 0.2			
Directions :					
Suspend 8.0 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes or flasks or as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Tryptone and yeast extract provide nitrogenous compounds, carbon, sulphur, vitamin B complex and trace elements, necessary for bacterial metabolism. With added carbohydrate and a pH indicator, it can also be used for fermentation studies. Inoculate the tubes with the test organism and incubate at 30°C ± 2°C for upto 96 hours. Inoculate ISP Medium No. 2 (B557) or ISP Medium No. 4 (B559) with the test organisms by placing approximately 0.1 ml of the inoculum near the edge of the plate. Five parallel streaks across the plate are made from this 0.1 ml of inoculum followed by four perpendicular streaks. Incubate the plates. ISP Medium No. 1 is used as an enrichment medium for Streptomyces species.					
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) :	Light amber			
	Clarity (post autoclaving/heating) :	Clear solution without any precipitate			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed at 28-32°C after 4 days.				
	MICROORGANISM (ATCC)	GROWTH			
	Staphylococcus aureus (25923)	Luxuriant			
	Streptomyces lavendulae (8664)	Luxuriant			
	Streptomyces albus subsp albus ATCC 3004	Luxuriant			
	Escherichia coli (25922)	Luxuriant			
Precautions :		1. For Laboratory Use.			
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
Limitations :		Further biochemical tests must be carried out for confirmation.			
Use :		A general-purpose enrichment medium for not particularly fastidious microorganisms.			
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
B556		8.0g/l	62.5L	7.0 ± 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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.