BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B822	**YEAST EXTRACT ROSE BENGAL BROTH BASE**
Formula	
Ingredients :	**gms/lit.**
Yeast extract	5.00
Disodium phosphate	17.25
Bile salt	2.00
Sodium chloride	1.00
Magnesium sulphate	0.01
Sodium pyruvate	1.00
Rose bengal	0.04
Final pH (at 25°C) : 7.9 ± 0.2	
Directions :	
Suspend 26.3 gms. in 900ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 20-25 C and aseptically add 100 ml. of 4% filter sterilized sorbose solution. Mix well and dispense aseptically as desired.	
Principle :	
Yeast extract provides essential nutrients. Bile salts inhibit gram – positive organisms. Salts help in cold enrichment of Yersinia species.	

QC Tests – (I)Dehydrated Medium		
	Colour :	Pink
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.9 ± 0.2
	Colour (post autoclaving/heating) :	Reddish pink
	Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 9-10 hrs at 4°C.	

	MICROORGANISM (ATCC)	RECOVERY	
	Yersinia enterocolitica (27729)	Good – luxuriant	
	Yersinia pseudotuberculosis (29833)	Good – 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 the recovery of Yersinia enterocolitica and Yersinia pseudotuberculosis from food samples.
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
B822	26.3 g/l	19.01 L	7.9 ± 0.2	4% sorbose	121^0C/15 min.

Rev: December 2020