

B427	BILE SALT AGAR					
Formula						
Ingredients:		gms/litre				
Peptic digest of animal tissue		10.00				
Meat extract		5.00				
Sodium chloride		5.00				
Sodium taurocholate		5.00				
Agar		18.00				
Final pH (at 25°C): 8.2 ± 0.2						
Directions:						
Suspend 43 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates						
Principle:						
Peptic digest of animal tissue and meat extract which provide nitrogenous compounds and other essential nutrients for the growth of enteric bacilli. Sodium taurocholate inhibits contaminating gram-positive organisms. Sodium chloride maintains the osmotic balance of the medium.						
QC Tests – (I)Dehydrated Medium						
	Colour:	Cream to yellow				
	Appearance:	Homogeneous Free Flowing powder				
(II)Rehydrated medium						
	pH (post autoclaving/heating) :	8.2 ± 0.2				
	Colour (post autoclaving/heating):	Light amber				
	Clarity (post autoclaving/heating):	Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
	Cultural characteristics observed after18-24 hours at 35-37°C.					
	ORGANISM (ATCC)	GROWTH				
	Enterobacter aerogenes (13048)	luxuriant				
	Escherichia coli (25922)	luxuriant				
	Staphylococcus aureus (25923)	inhibited				
	Salmonella Typhi (6539)	luxuriant				
	Viibrio cholerae (15748)	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:		Recommended for isolation and enumeration of bile tolerant enteric bacilli from clinical and non-clinical 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
B427		43 g/l	11.62L	8.2± 0.2	None	121 ^o 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 BIOMARK LABORATORIES publications.

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