

TECHNICAL SHEET

B1138	ASEPTIC PACKING LINE MEDIUM					
Formula						
Ingredients:		gms/lit.				
Peptone		5.00				
Yeast extract		2.50				
Sucrose		5.00				
Sodium chloride		5.00				
Phenol red		0.005				
Final pH (at 25°C): 7.2± 0.2						
Directions:						
Suspend 17.50 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes containing inverted Durham's tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
Peptone and yeast extract provide basic nutrients. Sucrose is the carbohydrate source. Sodium chloride maintains osmotic balance. Phenol red is the pH indicator. Sucrose fermentation leads to the formation of acidic conditions which is detected by phenol red, observed as a colour change from red to yellow.						
QC Tests - (I) Dehydrated Medium						
Colour:		Light yellow to light pink				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating):		Orange red				
Clarity (post autoclaving/heating):		Clear solution in tubes				
(III) Q.C. Test Microbiological						
Average diameter of zone of inhibition observed after an incubation at 25-30°C for 48-72 hours.						
MICROORGANISM (ATCC)		Growth	Acid	Gas		
Bacillus cereus (14579)		luxuriant	Positive reaction, yellow colour	Negative reaction		
Enterobacter aerogenes(13048)		luxuriant	Positive reaction, yellow colour	Positive reaction		
Escherichia coli (25922)		luxuriant	Negative reaction, no colour change	Negative reaction		
Staphylococcus aureus (25923)		luxuriant	Positive reaction, yellow colour	Negative reaction		
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 a fluid medium used in validating aseptic packing lines.				
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
B1138		17.5 g/l	28.57 L	7.2 ± 0.2	Nil	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.

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.