

TECHNICAL SHEET

B728	Sporulation Broth					
Formula						
Ingredients :		gms/lit.				
Pancreatic digest of gelatin		6.00				
Casein enzymic hydrolysate		4.00				
Yeast extract		3.00				
Beef extract		1.50				
Dextrose		1.00				
Manganous sulphate		0.30				
Final pH (at 25°C) : 6.6 ± 0.2						
Directions :						
Suspend 15.8 gms. in 1000ml. distilled water. Boil with stirring to dissolve the medium completely. Dispense in 300ml. amounts in Roux or other suitable bottles. Sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.						
NOTE: Do not autoclave till the medium has been completely dissolved.						
Principle :						
This medium is highly nutritious since it contains two peptones, yeast extract, beef extract, dextrose. Peptic digest of animal tissue and beef extract are sources of nitrogen, sulphur, amino acids and trace elements. Manganous sulphate plays an important role in sporulation process.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.6 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 5 days at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Bacillus subtilis (6633)		Luxuriant with sporulation				
Bacillus pumilus (14884)		Luxuriant with sporulation				
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 production of spores of Bacillus subtilis ATCC6633, which are used for detection of penicillin and other antibiotic residues in milk and dairy products.				
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
B728	15.8g/l	31.645L	6.6 ± 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 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.