

TECHNICAL SHEET

B411	B.D.G. - BROTH, HAJNA					
Formula						
Ingredients :		gms/lit.				
Tryptose		20.00				
Dextrose		5.00				
Sodium chloride		5.00				
Sodium deoxycholate		0.10				
Dipotassium phosphate		4.00				
Monopotassium phosphate		1.50				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 35.6 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Buffered Deoxycholate Glucose Broth was first used by Hajna and Damon as presumptive test medium for detection of coliforms. Tubes showing gas formation may be examined for coliforms and should be subcultured on appropriate selective media for the isolation, which include DCLS Agar, SS Agar or Bismuth Sulphite Agar. Suspected colonies can be subsequently subcultured for further confirmation on the media like TSI Agar, Tryptone Agar, Urea broth and other substrates if necessary. This medium can also be used for VP tests associated with the method mentioned in MR-VP Broth.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to Beige				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 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 18-24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriat				
Salmonella typhi (6539)		Luxuriat				
Proteus vulgaris (13315)		Luxuriat				
Shigella flexneri (12022)		Luxuriat				
Staphylococcus aureus (25923)		Inhibited				
Bacillus subtilis (6633)		Inhibited				
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 presumptive detection of enteric bacilli present in treated drinking waters.				
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
B411	35.6g/l	14.044L	7.0 ± 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.

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