

TECHNICAL SHEET

B715	SOYABEAN BILE BROTH BASE					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			17.00			
Papaic digest of soyabean meal			3.00			
Bile salts mixture			1.12			
Dextrose			2.50			
Sodium chloride			5.00			
Dipotassium hydrogen phosphate			4.00			
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 32.62 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of 1 vial of Novobiocin Selective Supplement (BF083). Mix well and dispense as desired.						
Principle :						
Casein enzymic hydrolysate and papaic digest of soyabean meat provide carbonaceous, nitrogenous compounds and other essential growth nutrients. Dextrose is the fermentable carbohydrate and energy source. Bile salts mixture inhibits gram-positive bacteria. Sodium chloride maintains osmotic equilibrium while phosphate buffers the medium well. Novobiocin renders the medium selectivity.						
QC Tests – (I) Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			7.3 ± 0.2			
Colour (post autoclaving/heating) :			Light amber			
Clarity (post autoclaving/heating) :			clear solution			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C or 41.5 °C for 18-48 hours with added Novobiocin Selective Supplement (BF083). Recovery done on Sorbitol MacConkey Agar(B753).						
MICROORGANISM (ATCC)			GROWTH (ON B753)			
Escherichia coli O157:H7 (NCTC12900)			good-luxuriant			
Escherichia coli (25922)			good			
Staphylococcus aureus (25923)			none			
Enterococcus faecalis (29212)			none			
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 recommended for enrichment and isolation of Escherichia coli O15:H7 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
B715		32.62 g/l	15.32 L	7.3 ± 0.2	Novobiocin Selective Supplement (BF083)	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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