

TECHNICAL SHEET

B1265	SYNTHETIC SEA SALT					
Formula						
Ingredients :						
		gms/lit.				
Calcium chloride, 2H ₂ O		0.836				
Potassium chloride		0.435				
Strontium chloride, 6H ₂ O		0.0007				
Sodium bicarbonate		0.1515				
Magnesium sulphate, 7H ₂ O		3.80				
Magnesium chloride, 6H ₂ O		2.94				
Borax		0.03				
Sodium chloride		14.90				
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 19.38 grams (the equivalent weight of dehydrated medium per litre) in 1000ml distilled water. Heat, if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.						
Principle :						
It is used as a diluent during detection and enumeration of Escherichia coli and coliforms in surface and wastewater. Sodium chloride in the medium helps to maintain osmotic balance and the other ingredients provide buffering action.						
QC Tests – (I) Dehydrated Medium						
	Colour :	White to cream				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	PH (post autoclaving/heating) :	7.5 ± 0.2				
	Colour (post autoclaving/heating) :	Colourless				
	Clarity (post autoclaving/heating) :	clear solution without any precipitate				
(III) Q.C. Test Microbiological						
	Satisfactory results are obtained when used as a diluent during detection and enumeration of E.coli and coliform bacteria in surface and wastewater.					
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 preparation of special diluents by ISO Committee 1995, Draft ISO/DIS 9308-3: 1998 (E).				
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
B1265		19.38 g/l	25.799 L	7.5 ± 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.

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