

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B381	RINGER SALT SOLUTION POWDER					
Formula						
Ingredients :		gms/lit.				
Sodium chloride		8.50				
Potassium chloride		0.20				
Calcium chloride		0.20				
Sodium bicarbonate		0.01				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 8.91 grams in 1000ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Ringer Salt Solution is used as isotonic diluting fluid and suspending fluid which as far as possible preserves the cells in their original condition. Microorganisms and other cells require complex media for suspension and dilution where viability is of importance.						
QC Tests – (I) Dehydrated Medium						
Colour :		White				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Colourless				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Satisfactory results are obtained when used as a diluent during bacteriological examination of foods, milk, dairy products as well as for serial dilutions of pure cultures of bacteria.						
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 :		An isotonic diluent for food, milk and dairy products during microbiological examination.				
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
B381		8.91 g/l	56.11 L	7.0 ± 0.2	Nil	121°C/15 min.