

TECHNICAL SHEET

B1498	MODIFIED PHOSPHATE BUFFER				
Formula					
Ingredients :					
	gms/lit.				
Sodium chloride	8.00				
Potassium chloride	0.20				
Disodium phosphate	1.44				
Potassium phosphate	0.24				
Polysorbate 20	0.20				
Final pH (at 25°C) :	7.2 ± 0.2				
Directions :					
Suspend 10.08 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.					
Principle :					
Sodium chloride maintains the osmotic equilibrium. Polysorbate 20 is a dispersing agent.					
QC Tests – (I) Dehydrated Medium					
Colour :	White to cream				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.2 ± 0.2				
Colour (post autoclaving/heating) :	Colourless				
Clarity (post autoclaving/heating) :	Clear solution without any precipitate				
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 as a washing buffer solution required during detection of Escherichia coli O157:H7 from food and animal feeding stuffs. The composition and performance criteria of this medium are as per the specifications laid down in ISO/DIS 16654					
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
B1498	10.08 g/l	49.60 L	7.2 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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