

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B297	PHOSPHATE BUFFER, APHA, pH 7.2				
Formula					
Ingredients :					
		gms/lit.			
Monopotassium phosphate		26.22			
Sodium carbonate		7.78			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Dissolve 34 grams in 1000 ml distilled water. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. The pH after autoclaving and cooling to room temperature should be 7.2 ± 0.2					
Principle :					
Phosphate Buffer APHA pH 7.2 is prepared as per APHA and FDA. It is used for preparing dilutions, blanks for the examination of waters, dairy products, foods, utensils and other specimens. Phosphate buffer is preferred to unbuffered water in microbiological testing in order to standardize wide variation in the pH of distilled water from various sources.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Off white to white			
	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			
(III) Q.C. Test Microbiological: Not Applicable					
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 preparation of dilution, blanks for the examination of waters, dairy products, foods eating utensils and other specimens.				
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
B297	34g/l	14.705L	7.2 ± 0.2	NIL	121°C / 15 minutes