

BUFFER SOLUTIONS (USP)

APPLICATION	Buffer solutions are used for microbiological assays according to United States Pharmacopeia (USP).			
PRINCIPLE AND INTERPRETATION	Buffer solutions are required for the antibiotics preparation recognized in the United States Pharmacopeia (USP) for the microbiological assay rather than unbuffered water in order to standardize this potential variable due to the wide variation in the pH of purified water from multiple sources.			
MEDIA COMPOSITION ACCORDING TO USP		Dibasic Potassium Phosphate	Monobasic potassium phosphate	Final pH
	BUFFER B.1 (0.07 M)	2.00 g/L	8.00 g/L	6.0 ± 0.05 *
	BUFFER B.3 (0.1 M)	16.73 g/L	0.523 g/L	8.0 ± 0.1 *
	BUFFER B.4 (0.1 M)	--	13.61 g/L	4.5± 0.05 *
	BUFFER B.6 (0.7 M)	20.00 g/L	80.00 g/L	6.0 ± 0.05 *
	PHOSPHATE BUFFER 1 (0.25 M)	--	34.00 g/L	7.2± 0.2 (pH adjusted to 7.2 with potassium hydroxide)
	BUFFER B.16 (0.1M)	13.60 g/L	4.00 g/L	7.0± 0.2
	* Adjusted and /or supplemented as required to meet performance criteria			
STORAGE	+2/+25°C Protect from light, excessive heat, moisture and freezing			
STERILIZATION	Autoclaved			
QUALITY CONTROL	Sterility control: no growth			
GENERAL WARNING NOTES	Device must be handled according to asepsis precautions, of utilization of culture media is strictly referred to the type of analysis that must be done. Please refer to specific norms and procedures. Do not use if device is broken. Do not use if media shows accidental contamination signs. Do not utilize after expiry date. Let device reach room temperature before utilizing. Results interpretation must be done by qualified personnel, who must consider context of use. Disposal of waste must be carried out according to national and local regulations in force.			

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These items are available in:

➤ **Sterile bottled BUFFER B.1 (0.07 M) pH 6.0**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
1000ml	002.6/33PSC28.1L	002.6/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ **Sterile bottled BUFFER B.3 (0.1 M) pH 8.0**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
1000ml	002.7/33PSC28.1L	002.7/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ **Sterile bottled BUFFER B.4 (0.1 M) pH 4.5**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
1000ml	002.8/33PSC28.1L	002.8/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ **Sterile bottled BUFFER B.6 (0.7 M) pH 6.0**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
1000ml	002.9/33PSC28.1L	002.9/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year

➤ **Sterile bottled BUFFER B16 (0.1 M) pH 7.0**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
1000ml	002.B/33PSC28.1L	002.B/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year

BUFFER SOLUTIONS (USP)

➤ Sterile bottled PHOSPHATE BUFFER 1 (0.25 M) pH 7.2

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
100ml	002.1/30PSC28.100	002.1/30PSC28.100.10 (10 bottles/pack)	100ml in 125ml volume, PP28 Screw cap bottle	1 year
1000ml	002.1/33PSC28.1L	002.1/33PSC28.1L.10 (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle	1 year
100ml	002.1/30FLP32.100	002.1/30FLP32.100.10 (10 bottles/pack)	100ml in 125ml volume, PP28 w/pierceable Flip-off cap bottle	1 year

Customized filling volumes and formulations are available upon request

To receive information please

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