

## BUFFER SOLUTIONS (USP)

<b>APPLICATION</b>	Buffer solutions are used for microbiological assays according to United States Pharmacopeia (USP).			
<b>PRINCIPLE AND INTERPRETATION</b>	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.			
<b>MEDIA COMPOSITION ACCORDING TO USP</b>		<b>Dibasic Potassium Phosphate</b>	<b>Monobasic potassium phosphate</b>	<b>Final pH</b>
	<b>BUFFER B.1 (0.07 M)</b>	2.00 g/L	8.00 g/L	<b>6.0 ± 0.05 *</b>
	<b>BUFFER B.3 (0.1 M)</b>	16.73 g/L	0.523 g/L	<b>8.0 ± 0.1 *</b>
	<b>BUFFER B.4 (0.1 M)</b>	--	13.61 g/L	<b>4.5± 0.05 *</b>
	<b>BUFFER B.6 (0.7 M)</b>	20.00 g/L	80.00 g/L	<b>6.0 ± 0.05 *</b>
	<b>PHOSPHATE BUFFER 1 (0.25 M)</b>	--	34.00 g/L	<b>7.2± 0.2</b> (pH adjusted to 7.2 with potassium hydroxide)
	<b>BUFFER B.16 (0.1M)</b>	13.60 g/L	4.00 g/L	<b>7.0± 0.2*</b>
	* Adjusted and /or supplemented as required to meet performance criteria			
<b>STORAGE</b>	+2/+25°C Protect from light, excessive heat, moisture and freezing			
<b>STERILIZATION</b>	Autoclaved			
<b>QUALITY CONTROL</b>	<b>Sterility control:</b> no growth			
<b>GENERAL WARNING NOTES</b>	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.			

## BUFFER SOLUTIONS (USP)

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
1000ml	002.1/S3P.1L	002.1/S3P.1L (10 bottles/pack)	1000ml in 1000ml volume, PP28 Screw cap bottle <i>Bottle Sterile Single Wrapped.</i>	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*

*contact [info@cpcbiotech.it](mailto:info@cpcbiotech.it)*