



Potassium Phosphate Buffer, pH 6.8, 1X

Product Code: TL1153

Product Description:

Phosphate buffer system plays a crucial role in maintaining the pH in the internal fluids of all cells. It consists of dihydrogen phosphate ions as the hydrogen ion donor (acid) and hydrogen phosphate ion as the ion acceptor (base). Phosphate buffer has a very high buffering capacity and are highly soluble in water.

It is commonly used as fixative for light and electron microscopy and to preserve the living tissues. It serves as a reagent in blocking buffer for immunolabeling. It is also used in immunochemical staining and protein extraction procedures.

TL1153 is 1X Potassium Phosphate Buffer, pH 6.8 containing a mixture of monobasic and dibasic forms of potassium phosphate. This buffer helps in maintaining pH and provides phosphate ion.

Composition:

| Ingredients | mg/L |
|---------------------------------|----------|
| INORGANIC SALTS | |
| Potassium dihydrogen phosphate | 8000.000 |
| Di-potassium hydrogen phosphate | 2000.000 |

Quality Control:

Appearance

Colorless, clear solution

pH

6.60 - 7.00

Osmolality in mOsm/Kg H₂O

195.00 - 235.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Toxicity test

Passes

Endotoxin Content

NMT 1EU/ml

Storage and Shelf Life:

Store at 15- 30°C away from bright light.

Shelf life is 24 months.

Use before expiry date given on the product label.

Disclaimer :

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