

Technical Information

Potassium Phosphate Buffer, pH 6.8, 1X

Product Code: TL2153

Application: 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. TL2153 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 / Litre
INORGANIC SALTS	
Potassium dihydrogen phosphate	8000.000
Di-potassium hydrogen phosphate	2000.000

Quality control

Appearance

Colourless, 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 :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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