EUROMEDEX

Sodium Phosphate Buffer (NaPi), pH 6.0, 6.5, 6.8, 7.0, 7.2, 7.4, 7.5 and 8.0

Article no.	Product name	Pack size	Solution vol.
EU2-9527-10	Sodium Phosphate Buffer, 0.02 M pH 7.0	10 pouches	1000 ml/pouch
EU2-9528-10	Sodium Phosphate Buffer, 0.02 M pH 7.0	10 pouches	5000 ml/pouch
EU2-9529-10	Sodium Phosphate Buffer, 0.1 M pH 6.5	10 pouches	1000 ml/pouch
EU2-9530-10	Sodium Phosphate Buffer, 0.1 M pH 7.0	10 pouches	1000 ml/pouch
EU2-9531-10	Sodium Phosphate Buffer, 0.1 M pH 7.4	10 pouches	1000 ml/pouch
EU2-9532-10	Sodium Phosphate Buffer, 0.1 M pH 6.0	10 pouches	1000 ml/pouch
EU2-9533-10	Sodium Phosphate Buffer, 0.1 M pH 6.8	10 pouches	1000 ml/pouch
EU2-9534-10	Sodium Phosphate Buffer, 0.1 M pH 7.2	10 pouches	1000 ml/pouch
EU2-9535-10	Sodium Phosphate Buffer, 0.1 M pH 7.5	10 pouches	1000 ml/pouch
EU2-9536-10	Sodium Phosphate Buffer, 0.1 M pH 8.0	10 pouches	1000 ml/pouch
EU2-9184-10	Sodium Phosphate Buffer, 1 M pH 6.5	10 pouches	1000 ml/pouch
EU2-9185-10	Sodium Phosphate Buffer, 1 M pH 7.2	10 pouches	1000 ml/pouch

Specifications	
Chemicals	Analytical grade
Format	Exactly pre-weighed powder mix
Concentration	1. 0.1 M, pH 6.0 at 25°C 2. 0.1 M or 1 M, pH 6.5 at 25°C 3. 0.1 M, pH 6.8 at 25°C 4. 0.1 M or 0.02 M, pH 7.0 at 25°C 5. 0.1 M or 1 M, pH 7.2 at 25°C 6. 0.1 M or 1 M, pH 7.4 at 25°C 7. 0.1 M, pH 7.5 at 25°C 8. 0.1 M, pH 8.0 at 25°C
Volume	1000 ml and 5000 ml
pH	6.0 ± 0.05 at 25°C 6.5 ± 0.05 at 25°C 6.8 ± 0.05 at 25°C 7.0 ± 0.05 at 25°C 7.2 ± 0.05 at 25°C 7.4 ± 0.05 at 25°C 7.5 ± 0.05 at 25°C 8.0 ± 0.05 at 25°C
Shelf life	Three years after production date

Features

- Purity of chemicals minimum 99%
- Choice of three molar concentrations
- Wide choice of pH
- Exactly pre-weighed in pouches
- Dissolve and use in minutes

Product description

Sodium Phosphate buffer is provided in different formulations in order to suit most biochemical and molecular biology applications. Choose a buffer with a pH and molarity thatfits your laboratory procedures.

The NaPi buffer is supplied as exactly pre-weighed powder in sealed pouches giving two volumes, 1000 ml and 5000 ml.
Dissolving the contents of one pouch in deionized water yields:

1) NaPi buffer 0.1 M with pH 6.0 at 25°C.
2) NaPi buffer 0.1 M or 1 M with pH 6.5 at 25°C.
3) NaPi buffer 0.1 M with pH 6.8 at 25°C.
4) NaPi buffer 0.1 M or 0.02 M with pH 7.0 at 25°C.
5) NaPi buffer 0.1 M or 1 M with pH 7.2 at 25°C.

6) NaPi buffer 0.1 M or 1 M with pH 7.4 at 25°C.
7) NaPi buffer 0.1 M with pH 7.5 at 25°C.
8) NaPi buffer 0.1 M with pH 8.0 at 25°C.

Applications

- Multi-purpose buffer for many laboratory procedures

Directions for use

Empty one pouch of the NaPi buffer in a laboratory flask or beaker placed on a magnetic stirrer.

Add 300 ml of deionized water and stir for a couple of minutes.

Adjust the volume up to1000 ml or 5000 ml, stir until full dissolution and the buffer is ready to use.

Shipping and storage

NaPi buffer is shipped at room temperature.

Store the pouchesin a dry place at room temperature. Shelf life is three years.

Tips and hints

If the content of the pouch is not properly dissolved, makesure:
- the water temperature is 25°C (do not exceed this temperature)
- the buffer solution is properly stirred.

Sterilization can be performed by filtration or autoclaving. Filter the buffer solution through a 0.22 µm filter into a sterileflask or autoclave for 15 to 20 min and keep at +4°C.

Certifications

Each stage of themanufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.

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