



SSPE buffer (PBS-EDTA), pH 7.4



Features

- Formulated from analytical grade chemicals
- Exactly pre-weighed tablets
- Time-saving
- Dissolve and go for greater convenience
- Ideal for standardizing laboratory work

Product description

Medicago's SSPE buffer is specially formulated for hybridization in Northern and Southern blotting and for wash steps in microarray techniques. The buffer can be used in various applications within molecular biology such as immunocytochemistry and cell culture procedures. It is suitable as wash buffer for some cell cultures and for resuspending cells for FACS (fluorescence-activated cell sorter) techniques, in order to attain good cell sorting.

SSPE buffer tablets are exactly pre-weighed and supplied in a pack size of 100 tablets, each tablet giving 200 ml of 0.15 M sodium chloride, 0.001 M EDTA, 0.010 M sodium phosphate buffer with pH 7.4 at 25°C when dissolved in deionized or nuclease free water.

Applications

- Nucleic acid hybridization and probe pre-hybridization
- Wash buffer for microarrays
- Immunocytochemistry
- Cell culture procedures
- FACS

Directions for use

Deposit one tablet in a laboratory flask or beaker placed on a magnetic stirrer. Add 100 ml of deionized water and stir the solution for a few minutes. Adjust the volume up to 200 ml, stir until full dissolution and the buffer is ready to use.

Shipping and storage

SSPE buffer is shipped at room temperature. Store the tablets in a dry place at room temperature. Shelf life is three years.

Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Composition	0.15 M NaCl, 0.001 M EDTA, 0.010 M Na PO ₄ ³⁻
Volume	200 ml
pH	7.4 ± 0.05 at 25°C
Shelf life	Three years after production date

Tips and hints

Nuclease free water is recommended when using the SSPE buffer for RNA and DNA work. Deionized water should only be used for less sensitive applications.

If the tablet is not properly dissolved, make sure:

- the water temperature is 25°C (do not exceed this temperature)
- the buffer solution is properly stirred.

Sterilization can be performed by filtration. Filtrate the buffer solution through a 0.22 µm filter into a sterile flask. Keep the buffer solution at +4°C.

Certifications

Medicago's laboratories and manufacturing site in Uppsala is ISO 9001:2013 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



Ordering information

Article no.	Product name	Pack size	Solution vol.
09-8952-100	SSPE buffer, pH 7.4	100 tablets	200 ml/tablet