Dulbecco Phosphate Buffer Saline (DPBS)

(with calcium and magnesium)

Ordering info

TBB0408, DPBS 1x, 500 mL

TBB0409, DPBS 1x, 1L

TBB0410, DPBS 10x, 500 mL

Description

Dulbecco Phosphate Buffer Saline (DPBS) is a chemically defined balanced salt solution[1] used for a variety of laboratory procedures such as: cell culture applications maintaining osmostic stability in a physiological pH range; immunoassays and immunohistochemical techniques; storage and transporting of biological samples.

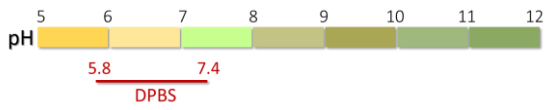
[1] *Dulbecco R. and Vogt M., J. Exp. Med. (1954) 99:167.*

Features

- Ready to use (1x) or to dilute (10x).
- Sterile colorless solution.
- Composition (1x): KH_2PO_4 1.47 mM, Na_2HPO_4 8.1 mM. NaCl 137 mM, KCl 2.7 mM, $CaCl_2$ 0.9 mM, $MgCl_2$ 0.5 mM.
- pH=7.3 ± 0.1

Applications

- Physiological buffering range:



- Diluent, transporting and washing buffer.
- Cell culture applications.
- Immunological techniques (Western, immunoassays, immunohistochemistry).
- Anticoagulant and blood preservative.

Storage

Store at 25 °C.

Quality Control

- Sterility.
- pH tested.

Also available:

WATER, nuclease free (TBB0300, TBB0301)

PBS 1x pH 7.4 (TBB0360, TBB0361)

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PROCEDURE FOR MAKING 1x SOLUTION

1. Add **DPBS 10x** and water in the following proportion:

DPBS 10x	0,1 L	0,2 L	0,3 L	0,4 L	0,5 L
Water	0,9 L	1,8 L	2,7 L	3,6 L	4,5 L
	1 L	2 L	3 L	4 L	5 L

It is recommended to use sterilized water or WATER, nuclease free (TBB0300, TBB0301).

2. Mix well.

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