

Datasheet**DPBS****Buffered Salt Solution**

Product	Description	Art. No.	Size
DPBS	Dulbecco's Phosphate Buffered Saline, w: Ca and Mg (10x)	P04-37500	500 ml

Product description

The main purpose of buffered salt solutions is the maintenance of pH and osmolality in cell culture applications as well as providing essential inorganic ions. These solutions are usually used for washing tissues and cells. Often they are combined with other agents in cell and tissue treatment.

Storage conditions and stability

Storage: +2 °C to RT
Stability: 3 years from date of production
Size: 500 ml, other sizes upon request

Composition

Displayed on website, also available upon request

Applications

Dulbecco's Phosphate Buffered Saline (DPBS) can be used as a washing solution for living cells, or as a carrier solution for various substances. The main purpose of DPBS is to maintain pH as well as osmotic balance and provides water and essential inorganic ions to cells.

Cellular suspensions prepared in a buffered saline solution should not be stored longer than several hours as cellular viability may decrease. Therefore, the suitability of the buffered saline solution for a specific cell type should be tested prior to use.

Dilute the 10x buffer 1:10 with cell culture grade water. While stirring the solution, adjust the pH using 1N NaOH. For most cells and culture conditions, the optimal pH of this salt solution after filtration is 7.0 – 7.4.

Technical support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.de) or phone +49-8543-601630.

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