

**Dulbecco's Phosphate Buffered Saline (DPBS)
w/ Calcium w/ Magnesium**

CAT N° : ISL0625-500

Theoretical pH : 7.3 ± 0.3

Osmolality : 289 mOsm/kg $\pm 10\%$

Colour : colourless, clear solution

Storage conditions : Room Temperature

Shelf life : 48 months

Sterility tests :

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

Endotoxin : < 1 EU/ml

Composition : Displayed on website ; also available on request

Recommended use :

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)

The product is intended to be used *in vitro*, in laboratory only. Do not use it in therapy, human or veterinary applications.

Application :

Dulbecco's Phosphate Buffered Saline (DPBS) is intended for use in the maintenance of mammalian cells where a chemically defined, balanced salt solution provides an environment that will maintain the structural and physiological integrity of cells *in vitro*. DPBS is commonly used in cell enumeration as a diluent, for rinsing cells and as a buffer in many chromatographic procedures.

Utilisation :

Supplements, such as antibiotics, should be added as sterile supplements to the buffer solution. Storage conditions and shelf-life of the supplemented product will be affected by the nature of the supplements.

Indications of deterioration :

Due to the high concentration of salts in this product, it is not stable at low temperature (<+10°C), precipitates of salts may appear. If it is the case, IS will replace the bottles which contain precipitates.

For Research use only

IMMUNOLOGICAL SCIENCES



Product code : ISL0625-500

Product name : Dulbecco's Phosphate Buffered Saline w/ Calcium w/ Magnesium

CAS Number	Components	Quantity in g/l
10035-04-8	Calcium Chloride Dihydrate	0.13300000
7791-18-6	Magnesium Chloride Hexahydrate	0.10000000
7447-40-7	Potassium Chloride	0.20000000
7778-77-0	Potassium Phosphate Monobasic Anhydrous	0.20000000
7647-14-5	Sodium Chloride	8.00000000
7558-79-4	Sodium Phosphate Dibasic Anhydrous	1.15000000
WATER		990.21700000

For Research use only

IMMUNOLOGICAL SCIENCES

Web-site: www.immunologicalsciences.com - E-Mail: info@immunologicalsciences.com