

## Dulbecco's Phosphate Buffered Saline w/ Calcium w/ Magnesium

Product code:  
LM-S2042

**Colour:** colourless, clear solution

**Theoretical pH:** 7.3 ± 0.3

**Osmolality:** 289 mOsm/kg ± 10%

**Storage conditions:** Room and constant Temperature (>10°C), protected from light

**Shelf life:** 48 months

**Sterility tests:**  
- Bacteria in aerobic and anaerobic conditions  
- Fungi and yeasts

**Endotoxin:** < 1 EU/ml

**Composition:** 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 ( $< +10^{\circ}\text{C}$ ), precipitates of salts may appear.