

# D-PBS, 10X Concentrate (Without Ca<sup>++</sup> and Mg<sup>++</sup>)

## Dulbecco's Phosphate Buffered Saline (D-PBS), 10X Concentrate, Without Calcium and Magnesium

Catalog #37354

500 mL



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713

[INFO@STEMCELL.COM](mailto:INFO@STEMCELL.COM) • [TECHSUPPORT@STEMCELL.COM](mailto:TECHSUPPORT@STEMCELL.COM)

FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

## Product Description

Dulbecco's Phosphate Buffered Saline (D-PBS) can be used as a temporary diluting, washing, irrigating, or transporting solution for cell or tissue culture. It provides a buffering system to maintain the physiological pH range and osmotic balance of the culture medium and provides cells with a source of water and essential inorganic ions.

This product is supplied as a 10X stock solution for the preparation of D-PBS. This product does not contain Calcium (Ca<sup>++</sup>) or Magnesium (Mg<sup>++</sup>). The pH range of this solution is 7.2 - 7.6.

## Properties

**Storage:** Store at 15 - 25°C.

**Shelf Life:** Stable until expiry date (EXP) on label.

**Contains:**

- Potassium chloride (2 g/L)
- Potassium phosphate monobasic (anhydrous) (2 g/L)
- Sodium chloride (80 g/L)
- Sodium phosphate dibasic (anhydrous) (11.5 g/L)

## Handling / Directions for Use

Mix one part 10X D-PBS with nine parts sterile, high-purity water to achieve a 1X D-PBS solution. For example, mix 100 mL of 10X D-PBS and 900 mL of water. Following dilution to 1X D-PBS, solution should be stored at room temperature (15 - 25°C) and filter sterilized if required.

NOTE: Precipitation of salts may occur if stored at 2 - 8°C. If precipitate appears, place D-PBS in a 37°C water bath with occasional shaking until completely dissolved.

This product does not contain antibiotics. If desired, add antibiotics and use medium within 1 week.

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