

**10X Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium
(10X DPBS, without Ca²⁺ & Mg²⁺)**

| | | |
|--------------------|---------------------|--------|
| Catalog #: | 119-068-101 | 500 ml |
| | 119-068-131 | 1000mL |
| | 119-068-491 | 4L |
| | 119-068-151 | 10 L |
| pH: | 6.8±0.2 | |
| Store at: | 15°C to 30°C | |
| Shipped at: | ambient temperature | |

Description

Quality Biological's (QBI) Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium (10X) is prepared from ACS Grade potassium chloride (KCl), potassium monobasic (KH₂PO₄ anhydrous), sodium chloride (NaCl), and sodium dibasic (Na₂HPO₄•7H₂O) using Quality Biological's Cell Culture Grade Water. The final product is filtered through a 0.1 µm filter. "PBS" is an abbreviation for "Phosphate-Buffered-Saline."

Applications

Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium is frequently used as a "wash buffer" or reagent in both Cell Biology.

The following are examples where DPBSaline may be usefully employed:

- "Wash buffer" for cell culture when performing serial passage⁵
- "Wash buffer" for immunological application (e.g., Western Blotting)⁴

Quality Control*General*

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium (10X) is routinely tested to verify it meets product specifications for the following parameters:

- pH
- Osmolality

The test results of individual lots of Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium (10X) are available on the QBI website.

References

1. Dulbecco, r. & Vogt, M., (1954), *J. Exp. Med.*, **99**, 162-182
2. Sambrook, J., Fritsch, E.F., & Maniatis, T. (1989), *Molecular Cloning, A Laboratory Manual, 2nd Edition.*, Cold Spring Harbor Laboratory Press
3. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology*. Green Publishing Associates, Inc., in association with John Wiley & Sons, Inc.
4. Davis, L.G. Dibner, M.D. & Battey, J.F. (1986) *Basic Methods in Molecular Biology*. Elsevier Science Publishing Company, Inc.
5. Freshney, R.I. (1994) *Culture of Animal Cells: A Manual of Basic Technique, 3rd Ed.*, Wiley-Liss, John Wiley & Sons, Inc.

Related Products

1X Dulbecco's Phosphate Buffered Saline (1X DPBS with Ca²⁺ & Mg²⁺)

| | | |
|-----------|-------------|-------|
| Catalog # | 114-059-101 | 500mL |
|-----------|-------------|-------|

1X Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium (DPBS (1X) without Ca²⁺ & Mg²⁺)

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|-----------|---------------|------------|
| Catalog # | 114-057-101 | 500mL |
| | 119-057-101CS | 10 x 500mL |
| | 119-057-131 | 1000mL |
| | 119-057-491 | 4 Liters |
| | 119-057-151 | 10 Liters |

Dulbecco's Phosphate Buffered Saline with Tween 20[®] (DPBS with Tween 20[®])

| | | |
|-----------|-------------|--------|
| Catalog # | 114-154-131 | 1000mL |
| | 114-154-491 | 4L |
| | 114-054-151 | 10L |

Cell Culture Grade Water, Ultra Pure

| | | |
|-----------|---------------|-------------|
| Catalog # | 118-162-101 | 500mL |
| | 118-162-101CS | 10 x 500mL |
| | 118-162-131 | 1000mL |
| | 118-162-131CS | 10 x 1000mL |
| | 118-162-151 | 10 Liters |
| | 118-162-161 | 20 Liters |

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.