

**Dulbecco's Phosphate Buffered Saline with Tween 20[®] without Ca²⁺ & Mg²⁺
(DPBS with Tween 20[®] without Ca²⁺ & Mg²⁺)**

Catalog #:	114-154-131	1000 ml
	114-154-491	4 Liters
	114-154-151	10 Liters
pH:	7.3 ± 0.1	
Osmolality:	295 ± 5% mOsm/Kg H ₂ O	
Store at:	15°C to 30°C	
Shipped at:	ambient temperature	

Description

Quality Biological's (QBI) Dulbecco's Phosphate Buffered Saline with Tween 20[®] is prepared from ACS Grade potassium chloride (KCl), potassium phosphate monobasic (KH₂PO₄ anhydrous), sodium chloride (NaCl), and sodium phosphate dibasic (Na₂HPO₄•7H₂O), and Tween 20[®] using Quality Biological's Cell Culture Grade Water. "PBS" is an abbreviation for "Phosphate-Buffered-Saline."

Applications

Dulbecco's Phosphate Buffered Saline with Tween 20[®] is frequently used as a "wash buffer" or reagent in both Cell Biology techniques.

The following are examples where DPBS with Tween 20[®] may be usefully employed:

- "Wash buffer" for immunological application (e.g., Western Blotting⁴)

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 with Tween 20[®] is routinely tested to verify it meets product specifications for the following parameters:

- pH
- Osmolality
- Microbiological Testing

The test results of individual lots of Dulbecco's Phosphate Buffered Saline with Tween 20[®] are on the QBI website.

References

1. Dulbecco, R. & Vogt, M., (1954) *J. Exp. Med.*, **99**, 167-182.
2. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, a Laboratory Manual, 2nd Edition.*, Cold Spring Harbor 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.
6. NIH Media Unit

Related Products

1X Dulbecco's Phosphate Buffered Saline without Calcium & Magnesium

(1X DPBS, without Ca²⁺ & Mg²⁺)

Catalog #	114-057-101	500mL
	114-057-101CS	10 x 5000mL
	114-057-131	1000mL
	114-056-491	4 Liters
	114-056-151	10 Liters

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

Catalog #	114-059-101	500mL
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10X Dulbecco's Phosphate Buffered Saline without Calcium and Magnesium

(10X DPBS without Ca²⁺ & Mg²⁺)

Catalog #	119-068-101	500mL
	119-068-131	1000mL
	114-068-491	4 Liters
	114-068-151	10 Liters

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.