

## Dulbecco's Phosphate Buffer (DPBS), with calcium, magnesium, phenol red

**Cat. No:** PB180330

**Size:** 500mL

### General Information

|   |           |
|---|-----------|
| <b>Product Form</b>                     | Liquid    |
| <b>Concentration</b>                    | 1×        |
| <b>pH</b>                               | 7.2-7.4   |
| <b>D-Glucose</b>                        | negative  |
| <b>Phenol red</b>                       | 10mg/L    |
| <b>CaCl<sub>2</sub></b>                 | 100 mg/L  |
| <b>MgCl<sub>2</sub>•6H<sub>2</sub>O</b> | 100 mg/L  |
| <b>Sodium pyruvate</b>                  | negative  |
| <b>Storage</b>                          | 2-30°C    |
| <b>Shipping</b>                         | RT        |
| <b>Expiration date</b>                  | 36 months |

### Background

Balanced Salt Solution (Physiological Solution) have the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro. A small amount of phenolic red was added to some equilibrium salt solutions to indicate the pH change of the solution.

Dulbecco's Phosphate Buffered Saline (DPBS) is one of the most widely used equilibrium salt solutions in biochemistry. The main components are NaCl, KCl, KH<sub>2</sub>PO<sub>4</sub> and Na<sub>2</sub>HPO<sub>4</sub>. DPBS can be divided into two types according to whether contain calcium and magnesium. Different from conventional PBS, DPBS phosphate content was slightly lower. DPBS was mainly used for embryological research.

### Notes

1. This product is for research use only.;
2. This product is sterilized by 0.1μm filtration.;
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.