

Dulbecco's Phosphate Buffer (DPBS), with calcium, magnesium, glucose, sodium pyruvate, without phenol red

Cat. No: PB180332

Size: 500mL

General Information

Product Form	Liquid
Concentration	1×
pH	7.2-7.4
D-Glucose	1000mg/L
Phenol red	negative
CaCl₂	100 mg/L
MgCl₂•6H₂O	100 mg/L
Sodium pyruvate	36mg/L
Storage	2-30°C
Shipping	RT
Expiration date	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, KH₂PO₄ and Na₂HPO₄. 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.