Dulbecco's Phosphate Buffer (DPBS, 1 ×), 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	1000 mg/L
Phenol red	Negative
$CaCl_2$ (anhydrous)	50 mg/L
$MgCl_2 \cdot 6H_2O$	100 mg/L
Sodium pyruvate	36 mg/L
Storage	2-30°C
Shipping	Room Temperature
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, KH_2PO_4 and Na_2HPO_4. 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 only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.
4. Calcium and magnesium ions in this product may cause slight precipitation, which typically redissolves upon warming in a water bath. If substantial precipitate persists, discard the solution.