Phosphate Buffer (PBS), 10 ×

Cat. No.: PB180521

Size: 500mL / 1000mL

General Information

Product Form	Liquid
Concentration	10 ×
pH	7.2-7.4
$NaHCO_3$	negative
Phenol red	negative
Ca^{2+}-Mg^{2+}	negative
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.

Phosphate Buffered Saline (PBS) is one of the most widely used equilibrium salt solutions in biochemistry. The main components are Na_2HPO_4、KH_2PO_4、NaCl and KCl. PBS buffers are often used to rinse tissue or cells, to transport cells or tissues, to prepare other reagents, to dilute the cells when counting the cells.

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. This product is a concentrated solution and dilute it to the desired concentration before use.
5. 10 × PBS may form slight precipitation at low temperatures, which typically redissolves upon warming in a water bath. If substantial precipitate persists, discard the solution.