

## D-PBS Buffer(including Calcium Magnesium, Free of Phenol Red)

**Cat:** D1041

**Size:** 500mL

**Storage:** Store at room temperature for 2 years.

### Introduction:

D-PBS(phosphate buffered solution) is phosphate buffered solution, which can provide a relatively stable ionic environment and pH buffering ability. It is a buffer salt solution often used in biology for molecular cloning and cell culture, with a pH of 7.2-7.4. It is isotonic with human blood. The main components are potassium dihydrogen phosphate, disodium hydrogen phosphate dodecahydrate, sodium chloride, potassium chloride, calcium chloride and magnesium chloride hexahydrate.

This product is 1× working liquid and can be used directly after sterilizing treatment.

Components	Concentration
NaCl	137.93mM
KCl	2.67mM
Na <sub>2</sub> HPO <sub>4</sub> • 12H <sub>2</sub> O	8.06mM
KH <sub>2</sub> PO <sub>4</sub>	1.47mM
CaCl <sub>2</sub>	0.9mM
MgCl <sub>2</sub> • 6H <sub>2</sub> O	0.49mM

### Notes:

1. Special care should be taken during the use of D-PBS to avoid contamination of the solution with microorganisms.
2. D-PBS may produce precipitation at low temperatures. If precipitate is found, please place in 37°C water bath until completely dissolved before use.
3. For your safety and health, please wear a lab coat and disposable gloves.