

## D-PBS buffer

**Cat:** D1040

**Size:** 500mL

**Storage:** 2-8°C 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 and sodium chloride.

This product is 1× working liquid, which has been treated with sterilization and can be used directly. 4°C storage can extend the shelf life of the product, long-term storage at low temperature is not recommended.

Component	Concentration
Na <sub>2</sub> HPO <sub>4</sub>	8mM
NaCl	136mM
KH <sub>2</sub> PO <sub>4</sub>	2mM

### 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.

### Related Products:

*P1022 10×PBS buffer*  
*H1090 1M Hepes solution(50×)*  
*T1090 1M Tris-HCl, PH7.4*  
*T1150 1M Tris-HCl, PH8.0*  
*T1120 TE buffer, PH 8.0*  
*T1081 10×TBST buffer*

### Related Literature:

- [1] Hui Zhou, Jinbao Tang, Lin Sun, et al. H<sub>2</sub>S<sub>2</sub>-triggered off-on fluorescent indicator with endoplasmic reticulum targeting for imaging in cells and zebrafishes. *Sensors and Actuators B: Chemical*. January 2019; 278:64-72. (IF 6.393)
- [2] Jieyi Li, Yuhang Ling, Wenhao Huang, et al. Regulatory mechanisms of miR-96 and miR-184 abnormal expressions on otic vesicle development of zebrafish following exposure to beta -diketone antibiotics. *Chemosphere*. January 2019; 214:228-238. (IF 5.108)
- [3] Chengya Wang, Youyang Qu, Di Wang, et al. The Proangiogenic Roles of Long NonCoding RNAs Revealed by RNA-Sequencing. *Cellular Physiology and Biochemistry*. March 2019. (IF 5.500)

**Note:** Please refer to the official website of Solarbio for more information on the use of this product.