

## D-PBS

**Cat:** D1040 D1041 /D1042 /D1043 /P1002 /P1004 /P1006

**Storage:** Store at 2-8°C, avoid from light, and it is valid for 2 years.

### Specification:

Cat.	D1040	D1041	D1043	P1004	P1006	P1002	D1042
Appearance	Liquid	Liquid	Liquid	Liquid	Liquid	Tablet	Powder
	Concentration(mM)						
NaCl	137.93mM	137.93mM	137.93mM	1379.3mM	1379.3mM	137.93mM	137.93mM
	M	M	M	M	M	M	M
Na <sub>2</sub> HPO <sub>4</sub> ·12H <sub>2</sub> O	8.06mM	8.06mM	8.10mM	80.6mM	80.6mM	/	/
KH <sub>2</sub> PO <sub>4</sub>	1.47mM	1.47mM	1.47mM	14.7mM	14.7mM	/	/
KCl	/	2.67mM	2.67mM	26.7mM	26.7mM	2.67mM	2.67mM
CaCl <sub>2</sub>	/	0.9mM	0.9mM	/	9mM	/	/
MgCl <sub>2</sub> ·6H <sub>2</sub> O	/	0.49mM	0.49mM	/	4.9mM	/	/
Na <sub>2</sub> HPO <sub>4</sub> (anhydrous)	/	/	/	/	/	8.10mM	8.10mM
KH <sub>2</sub> PO <sub>4</sub> (anhydrous)	/	/	/	/	/	1.47mM	1.47mM

D1040 and D1041: 1× working solution, which has undergone sterilization treatment and can be used directly.

D1042 and D1043: 1×powder, take 1 package and dissolve it in 1L of pure water. It needs to be filtered through a 0.22μm filter for sterilization before use.

P1002: ready-to-use tablets, simply dissolve in water for 1 tablet/100ml; PH 7.2-7.4.

P1004 and P1006: 10× working solution, which has been sterilized and diluted to 1× with sterile water, can be used directly.

### Product Introduction:

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

### Note

1. During the use of D-PBS, special attention should be paid to avoiding microbial contamination of the solution.
2. D-PBS may precipitate at low temperatures. If precipitation is observed, place it in a 37°C water bath until it is completely dissolved before use.
3. For your safety and health, please wear laboratory clothes and disposable gloves to operate.