

## PBS buffer

Product Number: S110009

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### Shipping and Storage

Store and transport at room temperature. Shelf life: 24 months.

### Component

Component	S110009
PBS buffer	500mL

### Description

PBS, 10 times (Phosphate Buffered Saline), which is a 10 fold concentrated phosphate buffer solution, is a widely used equilibrium salt solution in biology and biochemistry research. After diluting 10 times, 1 x PBS phosphate buffer solution is obtained, which can be used for tissue block washing, cell rinsing, preparation of other reagents, and as a diluent for cell counting.

Product Ingredients: 27mM KCl, 20mM KH<sub>2</sub>PO<sub>4</sub>, 1.37M NaCl, 100mM Na<sub>2</sub>HPO<sub>4</sub>, pH diluted 10 times 7.3-7.5@25°C.

This product has undergone 0.1µm filtration for sterilization.

### Protocol

Before use, mix 100mL of this product with 900mL of pure water to obtain a 1×PBS solution containing 0.01 M phosphate with a pH of 7.3-7.5.

### PBS formula

Component	S110009-500mL	
	mg/L	mM
KCl	2000	26.7
KH <sub>2</sub> PO <sub>4</sub>	2720	20
NaCl	80000	1370
Na <sub>2</sub> HPO <sub>4</sub> •12H <sub>2</sub> O	35800	100

### Note

1. This product has undergone 0.1µm filtration for sterilization. If it is needed for cell culture, please dilute it in an ultra clean workbench and pay attention to aseptic operation to prevent bacterial contamination.
2. This product is 10 times the concentration of PBS. Please dilute it as needed before use.
3. Please wear lab clothes and disposable gloves during operation.