

## 1X Phosphate Buffered Saline (PBS) Solution, Cell Culture Grade

Cat. No.	Pack Size
MTE0357	500 ml

For *in vitro* use only

### Reagent Composition:

- 137 mM NaCl
- 2.7 mM KCl
- 4.3 mM Na<sub>2</sub>HPO<sub>4</sub>
- 1.47 mM KH<sub>2</sub>PO<sub>4</sub>

### Applications:

**1X PBS, Cell Culture Grade** has many uses because it is isotonic and non-toxic to cells. **1X PBS** can be used in:

- Cell culture,
- Washing procedures,
- Dilution,
- Reference solution.

### Description:

**1X PBS** is a nutrient, transportation or dilution liquid for maintenance of the intra- and extracellular osmotic balance. It provides cells with water and inorganic ions, which are necessary for the cell metabolism. **1X PBS** is also a buffering system for cells outside of a nutrient medium and stabilises cells during subculture.

- Additives can be used to add function. PBS with EDTA is also used to disengage attached and clumped cells.

### Formulation

Formulation	grams / litre
KCl	0.20
KH <sub>2</sub> PO <sub>4</sub>	0.20
NaCl	8.00
Na <sub>2</sub> HPO <sub>4</sub> anhydrous	1.15

**pH:** 6.5 – 7.0

**Storage:** +15°C to +25°C

**Cell culture:** Tested

**Sterility:** Tested

### Safety warnings and precautions:

Only persons trained in laboratory techniques should handle this product and its components. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.*

### Related products:

Cat. No.	Product	Pack Size
MTE0347	<b>IMDM</b> , (wo L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
MTE0348	<b>DMEM</b> , (w 4,5g/L Glucose,wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
MTE0349	<b>Ham's F12</b> , (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
MTE0350	<b>Glasgow-MEM</b> , (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
MTE0352	<b>Penicillin/Streptomycin</b> (10000IU/10000 ug/ml,100x)	100 ml
MTE0353	<b>L-Glutamine</b> 200mM	100 ml
MTE0354	<b>Cell freezing mix</b> (FCS/DMSO)	50 ml
MTE0355	<b>NEA</b> (Non-essential amino acids)	100 ml
MTE0356	<b>Sodium Pyruvate</b> 100mM	100 ml
MTE0358	<b>Trypsin/EDTA</b> (0.05% / 0.02% in PBS)	100 ml