

## Dulbecco's Phosphate Buffer (DPBS) (10×)

without calcium, magnesium, phenol red

Cat#: CR1007, 500mL

Store at 2-30°C

### **DESCRIPTION**

Balanced Salt Solution (Physiological Solution) have the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro. A small amount of phenolic red was added to some equilibrium salt solutions to indicate the pH change of the solution. Dulbecco's Phosphate Buffered Saline (DPBS) is one of the most widely used equilibrium salt solutions in biochemistry. The main components are NaCl, KCl,  $\text{KH}_2\text{PO}_4$  and  $\text{Na}_2\text{HPO}_4$ . DPBS can be divided into two types according to whether contain calcium and magnesium. Different from conventional PBS, DPBS phosphate content was slightly lower. DPBS was mainly used for embryological research.

### **GENERAL INFORMATION**

<b>Product Form</b>	Liquid
<b>Concentration</b>	10X
<b>pH</b>	7.2-7.4
<b>D-Glucose</b>	negative
<b>Phenol red</b>	negative
<b>CaCl<sub>2</sub></b>	negative
<b>MgCl<sub>2</sub>•6H<sub>2</sub>O</b>	negative
<b>Sodium pyruvate</b>	negative
<b>Storage</b>	2-30°C
<b>Shipping</b>	RT
<b>Expiration date</b>	24 months

### **NOTES**

1. This product is for research use only.
2. This product is sterilized by 0.22 μ m filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the pollution.
4. This product is 10×DPBS and dilute it to the 1× DPBS solution before use.
5. There maybe precipitation produced at 4°C storage, which will be dissolved after 37°C water bath incubation.

## **PRODUCT USE LIMITATION**

These products are intended for research use only.

## **RELATED PRODUCTS**

<b>Cat#</b>	<b>Product Name</b>	<b>Size</b>	<b>Form</b>
<b>CR1001</b>	Dulbecco's Phosphate Buffer (DPBS), without calcium, magnesium, phenol red	500mL	Liquid
<b>CR1002</b>	Dulbecco's Phosphate Buffer (DPBS), with calcium, magnesium, phenol red	500mL	Liquid
<b>CR1003</b>	Dulbecco's Phosphate Buffer (DPBS), with calcium, magnesium, without phenol red	500mL	Liquid
<b>CR1004</b>	Dulbecco's Phosphate Buffer (DPBS), with calcium, magnesium, sodium pyruvate , glucose , without phenol red	500mL	Liquid
<b>CR1005</b>	Dulbecco's Phosphate buffer (DPBS), without calcium, magnesium, with phenol red	500mL	Liquid
<b>CR1006</b>	Dulbecco's Phosphate buffer (DPBS) (10×), with calcium, magnesium, without phenol red	500mL	Liquid
<b>CR1007</b>	Dulbecco's Phosphate Buffer (DPBS) (10×), without calcium, magnesium, phenol red	500mL	Liquid
<b>CR1008</b>	D-Hank's Balanced Salt Solution (D-HBSS), without calcium, magnesium, phenol red	500mL	Liquid
<b>CR1009</b>	D-Hank's Solution (D-HBSS), without calcium, magnesium, with phenol red	500mL	Liquid
<b>CR1010</b>	Hank's Balanced Salt Solution (HBSS), with calcium, magnesium, without phenol red	500mL	Liquid
<b>CR1011</b>	Hank's Solution (HBSS), with calcium, magnesium, phenol red	500mL	Liquid
<b>CR1012</b>	Earle's Balanced Salt Solution (EBSS), without calcium, magnesium, phenol red	500mL	Liquid
<b>CR1013</b>	Earle's buffer (EBSS), with calcium, magnesium, phenol red	500mL	Liquid
<b>CR1014</b>	Earle's Balanced Salt Solution (EBSS), with calcium, magnesium, without phenol red	500mL	Liquid
<b>CR1015</b>	Earle's buffer (EBSS), without calcium, magnesium, with phenol red	500mL	Liquid
<b>CR1016</b>	Tyrode's Solution	500mL	Liquid
<b>CR1017</b>	Advanced Tyrode's Solution, for mammalian myocardium	500mL	Liquid
<b>CR1018</b>	Advanced Tyrode's Solution, with HEPES	500mL	Liquid
<b>CR1019</b>	Tyrode's Solution, without calcium	500mL	Liquid
<b>CR1020</b>	Ringer's Solution, for amphibians	500mL	Liquid

<b>CR1021</b>	Locke's Solution	500mL	Liquid
<b>CR1022</b>	Locke's Solution (low calcium)	500mL	Liquid
<b>CR1023</b>	Alsever's Solution	100mL	Liquid
<b>CR1024</b>	Krebs-Ringer Solution	500mL	Liquid
<b>CR1025</b>	Krebs-Hensleit's Solution	500mL	Liquid
<b>CR1026</b>	Thoroton's Solution	500mL	Liquid
<b>CR1027</b>	De-Jalon's Solution	500mL	Liquid
<b>CR1028</b>	0.9% Normal Saline	500mL	Liquid
<b>CR1029</b>	1M HEPES Solution	100mL	Liquid
<b>CR1030</b>	7.5% NaHCO <sub>3</sub> Solution	100mL	Liquid