

**【Product Name】**

Name: Dulbecco's Phosphate Buffered Saline, Without Calcium, Magnesium, SLE Grade

Cat. No: C3591-0500、C3591-0100

Specifications: 500ml、100ml

**【Product Description】**

All media used in tissue culture have a basis of a synthetic mixture of inorganic salts known as a physiological or balanced salt solution (BSS). All the physiological salt solutions have been derived from the salt solution originally described by Sydney Ringer (1885). The first balanced salt solution to be developed specifically for supporting the metabolism of mammalian cells was Tyrode's solution. Since then many modifications have been done to obtain better buffering salt solutions and to prevent calcium precipitation.

The function of a salt solution is:

To maintain the medium within physiological pH range.

To maintain intracellular and extra cellular osmotic balance.

Modified with a carbohydrate, such as glucose serves as an energy source.

It is most commonly used for tissue disaggregation and monolayer dispersal since presence of Calcium and Magnesium ions may hinder the trypsin activity.

It is super low endotoxin SLE™ grade, Endotoxin ≤0.01EU/ml by LAL method. The production process and quality management system meet the established protocols. requirements of cGMP and has passed ISO13485 certification.

It does not contain trace elements.

**【Composition】**

Ingredients	Mg/L
<b>INORGANIC SALTS</b>	
Disodium hydrogen phosphate	1150.000
Potassium chloride	200.000
Potassium phosphate, monobasic	200.000
Sodium chloride	8000.000

**【Storage and Stability】**

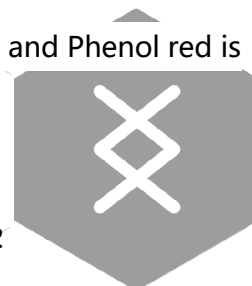
DPBS Without Calcium, Magnesium should be stored at room temperature (15-30°C). The product should not be left in the light for prolonged periods as it is light-sensitive. When stored in the dark under ideal conditions, the product is stable until the expiry date

**【Procedure】**

1. Take a bottle from the defined storage conditions at Room Temperature (15-30°C) and read the label.
2. Ensure that the cap of the bottle is tight.
3. Gently swirl the solution in the bottle.
4. Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol.
5. Using aseptic/sterile technique under a laminar-flow culture hood, work according to

**【Quality Control】**

Without Calcium, Magnesium and Phenol red is



tested for Sterility, pH, Osmolality and  
Endotoxin concentrations.

**【Precaution and Disclaimer】**

For research use only, not for clinical diagnosis  
and treatment.

