

## The User's Manual—DPBS

### Basic Information Introduction

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Dulbecco phosphate buffer solution (DPBS) is a balanced salt solution, DPBS can maintain the osmotic pressure and activity of cells in a short time.

#### Application Scope

DPBS suitable for a variety of cell culture applications, such as cleaning cells before cell digestion and passage, transporting cell or tissue samples, diluting cells for counting, and preparing reagents for cell culture.



#### Shipping, Storage and Validity Period

Product	Catalog No.	Storage	Shipping	Validity Period
DPBS	LQ12, Liquid	10°C ~ 30°C, Protect from light	10°C ~ 30°C, Protect from light	36 months
DPBS	DP12, Powder	2°C ~ 8°C, Protect from light	RT, Protect from light	36 months

#### Protocol for Hydration of Powder Medium

1. Fill the mixing container with purified water (20 ~ 30°C) at 100% of the final volume.
2. Slowly add 9.55 g/L of powder DPBS with gentle stirring. Mix for 30 minutes.
3. Filter immediately the media with a 0.22 μm membrane filter.

**Quality Index of powder and Liquid Media**

Product Index	DPBS (LQ12), Liquid	DPBS (DP12), Powder
Appearance	Colourless, clear liquid	Off white powder
pH	6.8 ~ 7.5	7.0 ~ 7.6 (pre-filter)
Osmolality (mOsmol/kg)	250 ~ 330	260 ~ 320
Solubility	--	Dissolve well according to the protocol for hydration of powder medium
Endotoxin (EU/mL)	< 3	< 3
Sterility	Negative	--
Bioburden	--	Aerobic bacteria: < 200 CFU/g Molds and yeasts: < 50 CFU/g

**【Technical Support】:**

According to the terms of sales, please contact our technicians with any problems :

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