

# BUFFERED SALINE (DULBECCO), WITH ADDED CALCIUM AND MAGNESIUM, STERILE FILTERED

IVD *In vitro* diagnostic medical device



## Phosphate buffered saline (PBS solution) with added CaCl<sub>2</sub> and MgCl<sub>2</sub> INSTRUCTIONS FOR USE

REF Product code: DCM-OT-500 (500 mL)

### Introduction

Buffered saline (Dulbecco) with added calcium and magnesium, sterile filtered is an isotonic solution buffered using phosphate buffer. It is used for maintaining intracellular and extracellular osmotic balance and stabilization of cells during subcultivation and isolation processes (rinsing of cells, dilution). It provides water for cells and inorganic ions necessary for maintaining cellular metabolism. Formulation with added calcium and magnesium is used as transport medium or for preparation of reagents.

### Product description

**BUFFERED SALINE (DULBECCO) WITH ADDED CALCIUM AND MAGNESIUM, STERILE FILTERED** - Nutritive, transport solution for maintaining intercellular and extracellular osmotic balance.

### Formulation of 1x DPBS solution with added calcium and magnesium

Raw material name	DPBS solution with added Ca/Mg, 1x- g/L
NaCl	8,0 g
KCl	0,2 g
KH <sub>2</sub> PO <sub>4</sub>	0,2 g
Na <sub>2</sub> HPO <sub>4</sub>	1,44 g
CaCl <sub>2</sub>	0,1 g
MgCl <sub>2</sub> ·x6H <sub>2</sub> O	0,1 g
pH	7,4±0,1
Osmolality	270-315 mOsm/kg

### Safety at work and environmental protection

Handle the product in accordance with safety at work and environmental protection guidelines. The product is intended only for *in vitro* diagnostic use. Concentration of chemicals used in this procedure could pose danger to human health. Act in accordance with signs and warnings notices printed on the product's label, as well as in BioGnost's material safety data sheet available on request.

### Storing, stability and expiry date

Keep Buffered saline (Dulbecco) with added calcium and magnesium, sterile filtered in a tightly closed original packaging at temperature between 15°C and 25°C. Do not keep in cold places, do not freeze and avoid exposing to direct sunlight. Date of manufacture and expiry date are printed on the product's label.

### References

- Dulbecco, R., Vogt, M.: Plaque Formation and Isolation of Pure Lines with Poliomyelitis Viruses. *J. Exp. Med.* 106: 167-169 (1957).

DCM-OT-500, V1-EN1, 24 June 2019, IŠP/VR

Refer to the supplied documentation	Storage temperature range	Number of tests in package	Product code	European Conformity	BIOGNOST Ltd. Medjugorska 59 10040 Zagreb CROATIA www.biognost.com	
Refer to supplied instructions	Keep away from heat and sunlight	Valid until	Lot number	Manufacturer		
For <i>in vitro</i> diagnostic use only	Keep in dry place	Caution - fragile				