

Dulbecco's Phosphate Buffered Saline (DPBS)

with Low Glucose, Sodium Pyruvate, Calcium and Magnesium Salts

Catalog Number:

B30050

Size:

500 mL

PRODUCT DESCRIPTION

Dulbecco's Phosphate-Buffered Saline (DPBS) is a balanced salt solution containing potassium chloride, monobasic potassium phosphate, sodium chloride, and dibasic sodium phosphate. It is primarily used short-term for a variety of cell culture applications where there is the need of maintaining cells in a physiological pH range and providing them with salt ions for osmoregulation. DPBS is manufactured with and without calcium and magnesium salts, and with and without phenol red.

Each lot of DPBS is prepared from a powdered base medium and tissue culture-grade water. Representative samples of each lot of DPBS are tested to confirm the absence of bacterial or fungal contamination using methods adapted from the current U.S. Pharmacopeia. DPBS is manufactured in our ISO 9001:2015 certified facility.

For the specific media formulation, please refer to the Media Formulation section of the datasheet.

STORAGE AND HANDLING

DPBS is supplied in gamma-irradiated, sterile PETG or PETE bottles. We recommend that DPBS be stored at a temperature of 2-8 °C, and protected from strong light. Always use aseptic techniques when handling and supplementing DPBS.

PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.

MEDIA FORMULATION

INORGANIC SALTS mg/L

Calcium Chloride • 2H ₂ O	133.00
Magnesium Chloride • 6H ₂ O	100.00
Potassium Chloride	200.00
Potassium Phosphate, Monobasic (Anhydr.)	200.00
Sodium Chloride	8000.00
Sodium Phosphate, Dibasic (Anhydr.)	1143.56

OTHER COMPONENTS mg/L

D-Glucose	1000.00
Phenol Red • Na	5.00
Sodium Pyruvate	110.00
Sodium Bicarbonate	36.00