

DMEM, High Glucose (Powder)

Catalogue No.: abx295009

Dulbecco's Modified Eagle Medium (DMEM) is a widely used basal medium for supporting mammalian cell growth. It contains a high concentration of glucose along with various amino acids, vitamins and inorganic salts essential for cell growth, though does not contain proteins, lipids or growth factors.

The 1 × 10 L size is provided as 1 bottle containing lyophilized powder for 10 L of 1X DMEM. The 1 × 50 L size is provided as 1 bottle containing lyophilized powder for 50 L of 1X DMEM.

Target:	DMEM
Form:	Lyophilized
Purification:	0.1 µm Sterile Filtered.
Reconstitution:	For preparation of 1 L of DMEM, High Glucose: Dissolve 13.48 g or 1 pouch of DMEM, High Glucose (Powder) in ultrapure water. Add 2.2 g of NaHCO ₃ and add ultrapure water until it is fully dissolved. If required, adjust the pH with 1 M NaOH or 1 M HCl. Add ultrapure water to a final volume of 1 L. For cell culture applications, sterilize the solution using a 0.22 µm filter under aseptic conditions.
Storage:	Store between 2-8 °C. Avoid exposure to light.
Validity:	Up to 12 months.
Buffer:	pH 5.8-6.2, containing 4500 mg/L D-Glucose, 4 mM L-Glutamine, 15 mg/L Phenol Red, 1 mM Sodium Pyruvate. Does not contain HEPES, NaHCO ₃ .
Concentration:	1X
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
Directions for use:	This product should be used with serum (or equivalent) supplementation. Use aseptic techniques to avoid contamination.