

DMEM High Glucose (4.5 g/l), with Stable Glutamine

General information

Dulbecco's Modified Eagle Medium (DMEM) High Glucose is a widely used medium for cell culture that can support the growth of a diverse range of cell types. Its availability in multiple formulations makes it versatile and suitable for various applications.

Product specifications

CO2 concentration, optimum	8.5%
pH	7.0 – 7.5
Osmolality	280 – 350 mOsm/kg
Colour and Appearance	Clear red orange solution
Endotoxin	<1 EU/ml (<0.1 ng/ml)
Cell Culture	Tested
Sterility	Tested
Storage	+2 °C to +8 °C protected from light

Formulation

Amino Acids

L-Alanyl-L-Glutamine	862.00
L-Arginine HCl	84.00
L-Cystine 2 HCl	48.00
Glycine	30.00
L-HistidineHClH ₂ O	42.00
L-Isoleucine	105.00
L-Leucine	105.00
L-Lysine HCl	146.00
L-Methionine	30.00
L-Phenylalanine	66.00
L-Serine	42.00
L-Threonine	95.00
L-Tryptophan	16.00
L-Tyrosine 2 Na	89.47
L-Valine	94.00

Vitamins

Choline chloride	4.00
D-Calcium Pantothenate	4.00
Folic Acid	4.00
myo-Inositol	7.20
Nicotinamide	4.00
Pyridoxal HCl	4.00
Riboflavin	0.40
Thiamine HCl	4.00

Inorganic Salts

Calcium Chloride 2 H ₂ O	265.00
Iron(III) Nitrate 9 H ₂ O	0.10
Magnesium Sulfate	97.67
Potassium Chloride	400.00
Sodium Bicarbonate	3700.00
Sodium Chloride	6400.00
Sodium Phosphate Monobasic Anhydrous	109.00

Other Components

D-Glucose	4500.00
Sodium Pyruvate	110.00
Phenol Red Sodium Salt	15.90

Precautions and disclaimer

This product is for research use only. .Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices

Ordering information

Catalogue number	Pack size
LTLM-B06	500 ml

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