

SUPERCULTURE Dulbecco's Modified Eagle's Medium (DMEM)-Low Glucose

Cat#: 6016111

[Product Name]

Dulbecco's Modified Eagle's Medium (DMEM)-Low Glucose

[Product Description]

Dulbecco's Modified Eagle's Medium (DMEM) is a modified Eagle Basal cell medium (BME) containing four times the concentration of amino acids and vitamins. This product is a low-glucose type (1000 mg/L) and supports the cultivation of various mammalian cells, including primary fibroblasts, neurons, gliocytes, HUVECs and smooth muscle cells, as well as cell lines such as HeLa, 293, Cos-7 and PC-12. This product is a GMP grade medium without animal-derived components. DMEM Medium-Low Glucose requires additional culture additives such as fetal bovine serum. It uses a sodium bicarbonate buffer system and therefore requires a 5% ~ 10% CO₂ environment to maintain physiological pH.

[Model & Specification]

Product Name	Cat. No.	Size
Dulbecco's Modified Eagle's Medium (DMEM)-Low Glucose	6016111	500 mL/bottle

[Product Parameters]

Supplementation	Requires additional additives
Glucose	1000 mg/L
Glutamine	With L-glutamine
Phenol Red	With phenol red
Antibiotics	Without antibiotics
Sodium Pyruvate	With sodium pyruvate
Sodium Bicarbonate	With sodium bicarbonate
HEPES Buffer	Without HEPES

[Storage Conditions and Validity Period]









Stored at 2°C~8°C, away from light, the shelf life is 12 months.

[Notes]

Pay attention to operate in an aseptic condition.

This medium is a GMP-grade product for subsequent manufacturing and laboratory use.

[Description of Product Symbol]

Product Symbol	Description	Product Symbol	Description
	Catalogue number		Batch code
	Date of manufacture		Use-by date
	Manufacturer		Temperature limit
	Keep away from sunlight		Consult instructions for use

[Formulation]

Components mg/L			
Amino Acids		myo-Inositol	7.2
Glycine	30	Niacinamide	4
L-Arginine•HCl	84	D-Pantothenic Acid•1/2 Ca	4
L-Cystine•2HCl	63	Pyridoxal•HCl	4
L-Glutamine	584	Riboflavin	0.4
L-Histidine•HCl•H ₂ O	42	Thiamine•HCl	4
L-Isoleucine	105	Inorganic Salts	
L-Leucine	105	CaCl ₂	200
L-Lysine•HCl	146	Fe(NO ₃) ₃ •9H ₂ O	0.1
L-Methionine	30	MgSO ₄	97.67
L-Phenylalanine	66	KCl	400
L-Serine	42	NaHCO ₃	3700
L-Threonine	95	NaCl	6400
L-Tryptophan	16	NaH ₂ PO ₄	109
L-Tyrosine•2Na•2H ₂ O	104	Other	
L-Valine	94	D-Glucose	1000
Vitamins		Phenol Red•Na	15
Choline chloride	4	Sodium Pyruvate	110
Folic Acid	4		

[Related Products]

Product Name	Cat. No.	Size
RPMI-1640 Medium	6016011	500 mL/bottle
DMEM Medium-High Glucose	6016121	500 mL/bottle
α-MEM Medium	6016211/6016221	500 mL/bottle
IMDM Medium	6016311	500 mL/bottle
DMEM/F-12 Medium	6016021	500 mL/bottle
Fetal Bovine Serum (South America)	6021021	500 mL/bottle
Fetal Bovine Serum (New Zealand)	6021031	500 mL/bottle
Fetal Bovine Serum (China)	6021061	500 mL/bottle
Exosome-Free Fetal Bovine Serum	6021041	50 mL/bottle

[Instruction Revision Date]

2024.03.22

[Company Information]

Manufacturer and after-sales service unit Name:

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For Further Manufacturing and Laboratory Use

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