

DMEM, no Glucose, no L-Glutamine, no HEPES, no Sodium Pyruvate

Cat .NO.: G4528

Product Information

Product Name	Cat. No.	Spec.
DMEM, no Glucose, no L-Glutamine, no HEPES, no Sodium Pyruvate	G4528-500ML	500 mL

Product Description/Introduction

Dulbecco's Modified Eagle Medium (DMEM), is a modified medium based on MEM, is now widely used in various cell cultures. The DMEM medium was originally designed as low-glucose containing D-Glucose 1000 mg/L, and later developed as high-glucose containing D-Glucose 4500 mg/L. DMEM medium without D-glucose can be adjusted to suit the needs of the study.

This product contains amino acids, vitamins, inorganic salts and other ingredients required for cell culture, without protein or growth factors. Add 5-10% serum or serum-free additives depending on the cell type.

This product is sterilized by 0.1µm filter membrane, pH 7.0-7.4, contains phenol red indicator, no D-glucose, L-glutamine, sodium pyruvate and HEPES buffer system.

Storage and Shipping Conditions

Ship at room temperature; Store away from light at 2-8°C, valid for 12 months.

Note

1. This product has been filtered and sterilized. Attention should be paid to aseptic operation to avoid contamination.
2. Avoid freezing the culture medium. Freezing may cause precipitation and precipitation of nutrients, which may not be completely dissolved after rewarming, affecting the cell culture effect. In addition, when the medium is stored at 2-8°C, do not store it completely close to the inner wall of the refrigerator to prevent the medium from freezing due to localized low temperature.
3. For your safety and health, please wear safety glasses, gloves, or protective clothing.

For Research Use Only!

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DMEM, no Glucose Formula

Components	Concentration		Components	Concentration	
	mg/L	mM		mg/L	mM
Amino acids			Inorganic salts		
Glycine	30	0.4	Calcium Chloride (CaCl ₂) (anhyd.)	200	1.8
L-Arginine hydrochloride	84	0.4	Ferric nitrate nonahydrate (Fe(NO ₃) ₃ • 9H ₂ O)	0.1	0.0002
L-Cystine dihydrochloride	62.6	0.2	Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67	0.8
L-Histidine hydrochloride-H ₂ O	42	0.2	Potassium Chloride (KCl)	400	5.36
L-Isoleucine	105	0.8	Sodium Bicarbonate (NaHCO ₃)	3700	44.04
L-Leucine	105	0.8	Sodium Chloride (NaCl)	4750	81.9
L-Lysine hydrochloride	146	0.8	Sodium Phosphate monobasic (NaH ₂ PO ₄) (anhyd.)	108.7	0.906
L-Methionine	30	0.2	Other components		
L-Phenylalanine	66	0.4	D-Glucose (Dextrose)	-	-
L-Serine	42	0.4	Sodium pyruvate	-	-
L-Threonine	95	0.8	HEPES	-	-
L-Tryptophan	16	0.08	Phenol Red	14.95	0.0422
L-Tyrosine disodium salt dihydrate	103.79	0.4			
L-Valine	94	0.8			
L-Glutamine	-	-			
L-Alanyl-L-Glutamine	-	-			
Vitamins					
Choline chloride	4	0.0286			
D-Calcium pantothenate	4	0.0084			
Folic Acid	4	0.0091			
Niacinamide	4	0.0328			
Pyridoxine hydrochloride	4	0.0195			
Riboflavin	0.4	0.0011			
Thiamine hydrochloride	4	0.0119			
i-Inositol	7.2	0.0389			