

IMDM,GlutaPlus

Cat. No.: G4640

Product Information

Product Name	Cat. No.	Spec.
IMDM (Iscoe's Modified Dulbecco's Medium),GlutaPlus	G4640-500ML	500 mL

Product Description/Introduction

IMDM, known as Iscoe's Modified Dulbecco's Medium, is Iscoe's modified DMEM. It was originally designed for the culture of erythroid precursor cell and macrophages. Based on DMEM, IMDM is added with trace element selenium, additional amino acids and vitamins, potassium nitrate instead of iron nitrate, which is nutrient-rich, ideal for rapid proliferation and high-density cell culture, such as Mouse B Lymphocytes cell, LPS Stimulated B cell, Bone Marrow Hematopoietic Stem cell, T-lymphocyte and various hybridoma cells. In addition, IMEM is also used as a base fluid for a number of unique serum-free medium.

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

This product is filtered and sterilized by 0.1 μ m filter membrane, pH 7.0-7.4, contains L-Alanyl-L-Glutamine, sodium pyruvate, phenol red indicator and HEPES. Please check the official website for the specific recipe.

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. For best results, do not freeze and thaw repeatedly.
3. For your safety and health, please wear safety glasses, gloves and protective clothing.

For Research Use Only!

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G4640 IMDM Formula

Components	Concentration		Components	Concentration	
	mg/L	mM		mg/L	mM
Amino acids			Inorganic salts		
Glycine	30.0	0.40	Calcium Chloride (CaCl ₂)(anhyd.)	165.0	1.4865
L-Alanine	25.0	0.2809	Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67	0.8139
L-Arginine hydrochloride	84.0	0.3981	Potassium Chloride (KCl)	330.0	4.40
L-Asparagine	25.0	0.1894	Potassium Nitrate (KNO ₃)	0.076	0.0007520
L-Aspartic Acid	30.0	0.2256	Sodium Bicarbonate (NaHCO ₃)	2200.0	26.19
L-Cystine 2HCl	91.4	0.2920	Sodium Chloride (NaCl)	4505.0	77.67
L-Glutamic Acid	75.0	0.5102	Sodium Phosphate monobasic (NaH ₂ PO ₄) (anhyd.)	108.7	0.9058
L-Alanyl-L-Glutamine	868.9	4.00	Sodium selenite (Na ₂ SeO ₃)	0.011183	0.0000646388
L-Histidine hydrochloride-H ₂ O	42.0	0.20	Other components		
L-Isoleucine	105.0	0.8015	D-Glucose (Dextrose)	4500.0	25.0
L-Leucine	105.0	0.8015	HEPES	5958.0	25.03
L-Lysine hydrochloride	146.0	0.7978	Phenol red	14.107	0.0399
L-Methionine	30.0	0.2013	Sodium pyruvate	110.000	1.0
L-Phenylalanine	66.0	0.40			
L-Proline	40.0	0.3478			
L-Serine	42.0	0.40			
L-Threonine	95.0	0.7983			
L-Tryptophan	16.0	0.0784			
L-Tyrosine Disodium Salt	104.0	0.4622			
L-Valine	94.0	0.8034			
Vitamins					
Biotin	0.0130	0.00005330			
Choline chloride	4.0	0.02857			
D-Calcium pantothenate	4.0	0.00839			
Folic Acid	4.0	0.009070			
Niacinamide	4.0	0.032787			
Pyridoxine hydrochloride	4.0	0.019608			
Riboflavin	0.40	0.001064			