

Product Specification Sheet



Product Code : CUL-1101

Identifier : DMEM, high glucose, with L-Alanyl-L-Glutamine and Sodium Pyruvate

Grade : Cell Culture Media

Appearance : Clear liquid

Molecular Formula : Not Applicable

Molecular Weight : Not Applicable

Product Description : Refer to next page for complete formulation. Sterilized by 0.2µm membrane filtration.

Storage Condition : Store between 2°C - 8°C, away from light.

<u>Assay:</u>	<u>Specification:</u>
Appearance	Clear liquid
pH (neat, 25°C)	7.00 - 7.50
Endotoxin activity	< 0.25 EU/ml
Microbial Activity Test (5 days)	PASS
Osmolality, (mOsm/kg)	320 - 360

Designed by:	Amir Salman (Lab Officer)	
Checked by:	Shirley Ng (Quality Analyst)	
Date:	6 Mar 2024	

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Components	Concentration (mg/L)
Amino Acids	
L-Arginine · HCl	84
L-Cystine · 2HCl	63
L-Alanyl-L-Glutamine	868.9
Glycine	30
L-Histidine · HCl · H ₂ O	42
L-Isoleucine	105
L-Leucine	105
L-Lysine · HCl	146
L-Methionine	30
L-Phenylalanine	66
L-Serine	42
L-Threonine	95
L-Tryptophan	16
L-Tyrosine · 2Na · 2H ₂ O	104
L-Valine	94
Vitamins	
Choline Chloride	4
Folic Acid	4
i-inositol	7.2
Niacinamide	4
D-Pantothenic Acid Calcium Salt	4
Pyridoxine · HCl	4
Thiamine · HCl	4
Riboflavin	0.4
Inorganic Salts	
Calcium Chloride · 2H ₂ O	265
Ferric Nitrate · 9H ₂ O	0.1
Magnesium Sulfate	97.67
Potassium Chloride	400
Sodium Chloride	6400
Sodium Phosphate Monobasic	109
Sodium Bicarbonate	3700
Other Components	
D-Glucose	4500
Phenol Red	14.93
Sodium Pyruvate	110

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