

Product Specification Sheet



Product Code : CUL-5010

Identifier : DMEM (4.5g/L Glucose) with L-Gln, without Sodium Pyruvate, liquid

Grade : Cell Culture Media

Appearance : Clear, Red 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, Red Liquid
pH (neat, 25°C)	7.00 - 7.50
Endotoxin activity	< 0.2 EU/ml
Microbial Activity Test (5 days)	PASS
Osmolality (mOsm/kg)	320 - 360
Mycoplasma	PASS

Designed by:	Amir Salman (Lab Officer)	
Checked by:	Alice Wong (Quality Manager)	
Date:	09 July 2024	

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Components	Concentration (mg/L)
Amino Acids	
L-Arginine · HCl	84.00
L-Cystine · 2HCl	62.60
L-Glutamine	584.00
Glycine	30.00
L-Histidine · HCl · H 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 · 2Na · 2H ₂ O	104.00
L-Valine	94.00
Vitamins	
Choline Chloride	4.00
Folic Acid	4.00
i-inositol	7.20
Niacinamide	4.00
D-Pantothenic Acid Calcium Salt	4.00
Pyridoxine · HCl	4.00
Vitamin B1 · HCl	4.00
Vitamin B2	0.40
Inorganic Salts	
Calcium Chloride · 2H ₂ O	265.00
Iron(III) Nitrate · 9H ₂ O	0.10
Magnesium Sulfate	97.67
Potassium Chloride	400.00
Sodium Chloride	6400.00
Sodium Phosphate Monobasic	109.00
Sodium Hydrogen Carbonate	3700.00
Other Components	
D-Glucose	4500.00
Phenol Red	14.93

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