

# Product Specification Sheet



**Product Code** : CUL-5000

**Identifier** : DMEM (4.5g/L Glucose) with L-Gln and 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:	Ng Xue Li (Quality Analyst)	
Date:	18 July 2024	

## Axil Scientific Pte Ltd

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Components	Concentration (mg/L)
<b>Amino Acids</b>	
L-Arginine · HCl	84.00
L-Cystine · 2HCl	62.60
L-Glutamine	584.00
Glycine	30.00
L-Histidine · HCl · H <sub>2</sub> 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 <sub>2</sub> O	104.00
L-Valine	94.00
<b>Vitamins</b>	
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
<b>Inorganic Salts</b>	
Calcium Chloride · 2H <sub>2</sub> O	265.00
Iron(III) Nitrate · 9H <sub>2</sub> 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
<b>Other Components</b>	
D-Glucose	4500.00
Phenol Red	14.93
Sodium Pyruvate	110

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