

# Product Specification Sheet



**Product Code** : CUL-1010

**Identifier** : DMEM, low glucose, with L-Gln, Sodium Pyruvate, Sodium Carbonate and Phenol Red

**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)	300 - 340

**Axil Scientific Pte Ltd**

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Components	Concentration (mg/L)
<b>Amino Acids</b>	
L-Arginine · HCl	84
L-Cystine · 2HCl	63
L-Glutamine	584
Glycine	30
L-Histidine · HCl · H <sub>2</sub> 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 <sub>2</sub> O	104
L-Valine	94
<b>Vitamins</b>	
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
<b>Inorganic Salts</b>	
Calcium Chloride · 2H <sub>2</sub> O	200
Ferric Nitrate · 9H <sub>2</sub> O	0.1
Magnesium Sulfate	97.67
Potassium Chloride	400
Sodium Chloride	6400
Sodium Phosphate · H <sub>2</sub> O	125
Sodium Bicarbonate	3700
<b>Other Components</b>	
D-Glucose	1000
Phenol Red	15
Sodium Pyruvate	110

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