

Product Specification Sheet



Product Code : CUL-1120

Identifier : DMEM, high glucose without L-Gln 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: | 06 Feb 2024 | |

Axil Scientific Pte Ltd

2 Tukang Innovation Grove, #06-01 JTC MedTech Hub, Singapore 618305
Tel: +65-6775 7318 Email: custcare@axilscientific.com
Website: www.axilscientific.com

Product Specification Sheet



| Components | Concentration (mg/L) |
|--------------------------------------|----------------------|
| Amino Acids | |
| L-Arginine · HCl | 84 |
| L-Cystine · 2HCl | 63 |
| 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 |

Axil Scientific Pte Ltd

2 Tukang Innovation Grove, #06-01 JTC MedTech Hub, Singapore 618305

Tel: +65-6775 7318 Email: custcare@axilscientific.com

Website: www.axilscientific.com