

SUPERCULTURE Dulbecco's Modified Eagle's Medium (DMEM)-High Glucose

Cat#: 6016121

[Product Name]

Dulbecco's Modified Eagle's Medium (DMEM)-High Glucose

[Product Description]

Dulbecco's Modified Eagle's Medium (DMEM) is a modified Eagle Basal cell medium (BME) containing four times the concentration of amino acids and vitamins. This product is a high-glucose type (4500 mg/L) and supports a primary culture of mouse and chicken cells, as well as various normal and transformed cell lines. This product is a GMP grade medium without animal-derived components. DMEM Medium-High Glucose requires additional culture additives such as fetal bovine serum. It uses a sodium bicarbonate buffer system and therefore requires a 5% ~ 10% CO₂ environment to maintain physiological pH.

[Model & Specification]

| Product Name | Cat. No. | Size |
|--|----------|---------------|
| Dulbecco's Modified Eagle's Medium (DMEM)-High Glucose | 6016121 | 500 mL/bottle |

[Product Parameters]

| | |
|--------------------|-------------------------------|
| Supplementation | Requires additional additives |
| Glucose | 4500 mg/L |
| Glutamine | With L-glutamine |
| Phenol Red | With phenol red |
| Antibiotics | Without antibiotics |
| Sodium Pyruvate | With sodium pyruvate |
| Sodium Bicarbonate | With sodium bicarbonate |
| HEPES Buffer | Without HEPES |

[Storage Conditions and Validity Period]









Stored at 2°C~8°C, away from light, the shelf life is 18 months.

[Notes]

Pay attention to operate in an aseptic condition.

This medium is a GMP-grade product for subsequent manufacturing and laboratory use.

[Description of Product Symbol]

| Product Symbol | Description | Product Symbol | Description |
|---|-------------------------|---|------------------------------|
|  | Catalogue number |  | Batch code |
|  | Date of manufacture |  | Use-by date |
|  | Manufacturer |  | Temperature limit |
|  | Keep away from sunlight |  | Consult instructions for use |

[Formulation]

| Components mg/L | | | |
|----------------------------------|-----|--|-------|
| Amino Acids | | myo-Inositol | 7.2 |
| Glycine | 30 | Niacinamide | 4 |
| L-Arginine•HCl | 84 | D-Pantothenic Acid•1/2 Ca | 4 |
| L-Cystine•2HCl | 63 | Pyridoxal•HCl | 4 |
| L-Glutamine | 584 | Riboflavin | 0.4 |
| L-Histidine•HCl•H ₂ O | 42 | Thiamine•HCl | 4 |
| L-Isoleucine | 105 | Inorganic Salts | |
| L-Leucine | 105 | CaCl ₂ | 200 |
| L-Lysine•HCl | 146 | Fe(NO ₃) ₃ •9H ₂ O | 0.1 |
| L-Methionine | 30 | MgSO ₄ | 97.67 |
| L-Phenylalanine | 66 | KCl | 400 |
| L-Serine | 42 | NaHCO ₃ | 3700 |
| L-Threonine | 95 | NaCl | 6400 |
| L-Tryptophan | 16 | NaH ₂ PO ₄ | 109 |
| L-Tyrosine•2Na•2H ₂ O | 104 | Other | |
| L-Valine | 94 | D-Glucose | 4500 |
| Vitamins | | Phenol Red•Na | 15 |
| Choline chloride | 4 | Sodium Pyruvate | 110 |
| Folic Acid | 4 | | |

[Related Products]

| Product Name | Cat. No. | Size |
|------------------------------------|-----------------|---------------|
| RPMI-1640 Medium | 6016011 | 500 mL/bottle |
| DMEM Medium-Low Glucose | 6016111 | 500 mL/bottle |
| α-MEM Medium | 6016211/6016221 | 500 mL/bottle |
| IMDM Medium | 6016311 | 500 mL/bottle |
| DMEM/F-12 Medium | 6016021 | 500 mL/bottle |
| Fetal Bovine Serum (South America) | 6021021 | 500 mL/bottle |
| Fetal Bovine Serum (New Zealand) | 6021031 | 500 mL/bottle |
| Fetal Bovine Serum (China) | 6021061 | 500 mL/bottle |
| Exosome-Free Fetal Bovine Serum | 6021041 | 50 mL/bottle |

[Instruction Revision Date]

2024.03.22

[Company Information]
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