

ISO 13485:2016 Certified | GMP Certified

2235 Cornell Ave. Montgomery, IL 60538 | (800) 246 - 4088 | CustomerService@Biologos.com | Biologos.com

SPECIFICATION SHEET

PRODUCT: Dulbecco's Modified Eagle Medium (1X)
With High Glucose & Sodium Pyruvate, Without L-Glutamine & Phenol Red

Catalog Number: LDH0010

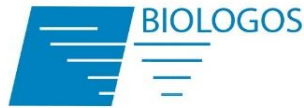
MEDIA FORMULATION

Formula

Dulbecco's Modified Eagle Medium (1X)

With High Glucose & Sodium Pyruvate, Without L-Glutamine & Phenol Red

| Components | mg/L |
|--|-------------|
| Calcium Chloride, Anhydrous (CaCl ₂) | 200.0000 |
| Choline Chloride (C ₅ H ₁₄ ONCl) | 4.0000 |
| D-Calcium Pantothenate (C ₁₈ H ₃₂ CaN ₂ O ₁₀) | 4.0000 |
| D-Glucose, Anhydrous (C ₆ H ₁₂ O ₆) | 4500.0000 |
| Ferric Nitrate, Nonahydrate (Fe(NO ₃) ₃ ·9H ₂ O) | 0.1000 |
| Folic Acid (C ₁₉ H ₁₉ N ₇ O ₆) | 4.0000 |
| Glycine (C ₂ H ₅ NO ₂) | 30.0000 |
| L-Arginine, Hydrochloride (C ₆ H ₁₄ N ₄ O ₂ · HCl) | 84.0000 |
| L-Cystine, Dihydrochloride (C ₆ H ₁₂ N ₂ O ₄ S ₂ · 2HCl) | 63.0000 |
| L-Glutamine (C ₅ H ₁₀ N ₂ O ₃) | 0.0000 |
| L-Histidine, Hydrochloride, Monohydrate (C ₆ H ₉ N ₃ O ₂ · HCl · H ₂ O) | 42.0000 |
| L-Isoleucine (C ₆ H ₁₃ NO ₂) | 105.0000 |
| L-Leucine (C ₆ H ₁₃ NO ₂) | 105.0000 |
| L-Lysine, Hydrochloride (C ₆ H ₁₄ N ₂ O ₂ · HCl) | 146.0000 |
| L-Methionine (C ₅ H ₁₁ NO ₂ S) | 30.0000 |
| L-Phenylalanine (C ₉ H ₁₁ NO ₂) | 66.0000 |
| L-Serine (C ₃ H ₇ NO ₃) | 42.0000 |
| L-Threonine (C ₄ H ₉ NO ₃) | 95.0000 |
| L-Tryptophan (C ₁₁ H ₁₂ N ₂ O ₂) | 16.0000 |
| L-Tyrosine, Disodium, Dihydrate (C ₉ H ₉ NO ₃ Na ₂ ·2H ₂ O) | 104.0000 |
| L-Valine (C ₅ H ₁₁ NO ₂) | 94.0000 |
| Magnesium Sulfate, Anhydrous (MgSO ₄) | 97.6700 |
| Myo-Inositol (C ₆ H ₁₂ O ₆) | 7.2000 |
| Niacinamide (C ₆ H ₆ N ₂ O) | 4.0000 |
| Phenol Red, Sodium Salt (C ₁₉ H ₁₃ NaO ₅ S) | 0.0000 |
| Potassium Chloride (KCl) | 400.0000 |



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MEDIA FORMULATION (continued)

Formula

Dulbecco's Modified Eagle Medium (1X)

With High Glucose & Sodium Pyruvate, Without L-Glutamine & Phenol Red

| Components | mg/L |
|--|-------------|
| Pyridoxine, Hydrochloride (C ₈ H ₁₁ NO ₃ · HCl) | 4.0000 |
| Pyruvic Acid, Sodium Salt (C ₃ H ₃ NaO ₃) | 110.0000 |
| Riboflavin (C ₁₇ H ₂₀ N ₄ O ₆) | 0.4000 |
| Sodium Bicarbonate (NaHCO ₃) | 3700.0000 |
| Sodium Chloride (NaCl) | 6400.0000 |
| Sodium Phosphate, Monobasic, Monohydrate (NaH ₂ PO ₄ · H ₂ O) | 125.0000 |
| Thiamine, Hydrochloride (C ₁₂ H ₁₇ ClN ₄ OS · HCl) | 4.0000 |

ASSAY:

SPECIFICATION

| | |
|----------------------------|------------------------|
| Appearance | Clear, yellow solution |
| pH | 7.0 - 7.4 |
| Osmolality | Measure and Record |
| Sterility per 9 CFR 113.26 | |
| Fungal | NEGATIVE |
| Bacterial | NEGATIVE |

Minimum Recommended Expiration Date: [2 years from date of manufacture]

Storage: 2°- 8°C

Approved by:

1/25/2018

Quality and Compliance Manager