



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)**

**w/Low Glucose; w/o Sodium Pyruvate, L-Glutamine & Phenol Red**

**Sterile Filtered 0.2µ**

**Catalog Number: LDL0000**

### MEDIA FORMULATION

#### LDL0000

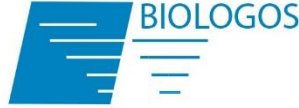
*Dulbecco's Modified Eagle Medium (1X)*

*w/Low Glucose; w/o Sodium Pyruvate, L-Glutamine & Phenol Red*

| <u>Components</u>   | <u>mg/Liter</u> |
|---|-----------------|
| <b>INORGANIC SALTS</b>  |                 |
| Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )  | 200.0000        |
| Ferric Nitrate, Nonahydrate (Fe(NO <sub>3</sub> ) <sub>3</sub> · 9H <sub>2</sub> O)                                 | 0.1000          |
| Potassium Chloride (KCl)  | 400.0000        |
| Magnesium Sulfate, Anhydrous (MgSO <sub>4</sub> )   | 97.6700         |
| Sodium Chloride (NaCl)  | 6400.0000       |
| Sodium Bicarbonate (NaHCO <sub>3</sub> )  | 3700.0000       |
| Sodium Phosphate, Monobasic, Monohydrate (NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O)                      | 125.0000        |
| <b>OTHER COMPONENTS</b>   |                 |
| D-Glucose, Anhydrous (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )   | 1000.0000       |
| <b>AMINO ACIDS</b>  |                 |
| L-Arginine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> · HCl)                      | 84.0000         |
| L-Cystine, Dihydrochloride (C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> · 2HCl)     | 63.0000         |
| Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )  | 30.0000         |
| L-Histidine, Hydrochloride, Monohydrate (C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> · HCl)         | 42.0000         |
| L-Isoleucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )  | 105.0000        |
| L-Leucine (C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )   | 105.0000        |
| L-Lysine, Hydrochloride (C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> · HCl)                        | 146.0000        |
| L-Methionine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)   | 30.0000         |
| L-Phenylalanine (C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> )   | 66.0000         |
| L-Serine (C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )   | 42.0000         |
| L-Threonine (C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )  | 95.0000         |
| L-Tryptophan (C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )                                       | 16.0000         |
| L-Tyrosine, Disodium, Dihydrate (C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> · 2H <sub>2</sub> O) | 104.0000        |
| L-Valine (C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )  | 94.0000         |

**Not for Human or Animal Consumption.**

**For Further Manufacturing Use Only.**



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)**

**w/Low Glucose; w/o Sodium Pyruvate, L-Glutamine & Phenol Red**

**Sterile Filtered 0.2µ**

**Catalog Number: LDL0000**

**MEDIA FORMULATION (CONTINUED)**

**VITAMINS**

|  |        |
|--|--------|
| D-Calcium Pantothenate (C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> ) | 4.0000 |
| Choline Chloride (C <sub>5</sub> H <sub>14</sub> ONCl)                                     | 4.0000 |
| Folic Acid (C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )                | 4.0000 |
| Myo-Inositol (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )                              | 7.2000 |
| Niacinamide (C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)                               | 4.0000 |
| Pyridoxine, Hydrochloride (C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub> · HCl)           | 4.0000 |
| Riboflavin (C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> O <sub>6</sub> )                | 0.4000 |
| Thiamine, Hydrochloride (C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS · HCl)        | 4.0000 |

**ASSAY:**

**SPECIFICATION:**

|                            |                                   |
|----------------------------|-----------------------------------|
| Appearance                 | Clear, Yellow Solution            |
| pH                         | 7.0 - 7.6                         |
| Osmolality                 | 289 - 320 mOsm/kgH <sub>2</sub> O |
| Sterility per 9 CFR 113.26 |                                   |
| Fungal                     | NEGATIVE                          |
| Bacterial                  | NEGATIVE                          |

Storage: 2° - 8°C

**Minimum Recommended Expiration Date:** [24 Months from Date of Manufacturing]

Approved by:

7/1/2019

Quality and Compliance Manager

Date

Customer Representative

Date

**Not for Human or Animal Consumption.  
For Further Manufacturing Use Only.**