

# DMEM High Glucose (4.5 g/l), w/o L-Glutamine, w/o Phenol Red

## General information

Dulbecco's Modified Eagle Medium (DMEM) High Glucose is a widely used medium for cell culture that can support the growth of a diverse range of cell types. Its availability in multiple formulations makes it versatile and suitable for various applications.

## Product specifications

|                                   |                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Appearance</b>                 | Clear red orange solution                                                                         |
| <b>CO2 concentration, optimum</b> | 8.5%                                                                                              |
| <b>Storage and shelf life</b>     | Store at +2 °C → +8 °C protected from light. Once opened, store at 4 °C and use within 6-8 weeks. |
| <b>Shipping conditions</b>        | Ambient                                                                                           |

## Formulation

### Amino Acids

|                                |        |
|--------------------------------|--------|
| Glycine                        | 30.00  |
| L-Arginine HCl                 | 84.00  |
| L-Cystine 2 HCl                | 48.00  |
| L-HistidineHClH <sub>2</sub> O | 42.00  |
| L-Isoleucine                   | 105.00 |
| L-Leucine                      | 105.00 |
| L-Lysine HCl                   | 146.00 |
| L-Methionine                   | 30.00  |
| L-Phenylalanine                | 66.00  |
| L-Serine                       | 42.00  |
| L-Threonine                    | 95.00  |
| L-Tryptophan                   | 16.00  |
| L-Tyrosine 2 Na                | 89.47  |
| L-Valine                       | 94.00  |

## Vitamins

|                        |      |
|------------------------|------|
| Choline chloride       | 4.00 |
| D-Calcium Pantothenate | 4.00 |
| Folic Acid             | 4.00 |
| myo-Inositol           | 7.20 |
| Nicotinamide           | 4.00 |
| Pyridoxal HCl          | 4.00 |
| Riboflavin             | 0.40 |
| Thiamine HCl           | 4.00 |

## Inorganic Salts

|                                                     |         |
|-----------------------------------------------------|---------|
| CaCl <sub>2</sub> 2 H <sub>2</sub> O                | 265.00  |
| Fe(NO <sub>3</sub> ) <sub>3</sub> 9H <sub>2</sub> O | 0.10    |
| KCl                                                 | 400.00  |
| MgSO <sub>4</sub>                                   | 97.67   |
| NaCl                                                | 6400.00 |
| NaHCO <sub>3</sub>                                  | 3700.00 |
| NaH <sub>2</sub> PO <sub>4</sub>                    | 109.00  |

## Other Components

|           |         |
|-----------|---------|
| D-Glucose | 4500.00 |
|-----------|---------|

## Precautions and disclaimer

This product is for research use only.

## Ordering information

| Catalogue number | Pack size |
|------------------|-----------|
| LTLM-B09         | 500 ml    |

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