

## Product Information

Dulbecco's Modified Eagle Medium (DMEM) High Glucose (4.5 g/L), with Stable Glutamine,  
with Sodium Pyruvate  
Cat. No. DMEM-HPSTA (500 ml)

### Product Specifications

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

### Formulation

| Components                       | Concentration mg/L |
|----------------------------------|--------------------|
| <b>Amino Acids:</b>              |                    |
| Glycine                          | 30.00              |
| L-Alanyl-L-Glutamine             | 862.00             |
| L-Arginine HCl                   | 84.00              |
| L-Cystine 2 HCl                  | 48.00              |
| L-Histidine HCl H <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              |

| Components                                           | Concentration mg/L |
|------------------------------------------------------|--------------------|
| <b>Vitamins:</b>                                     |                    |
| 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               |
| <b>Inorganic Salts:</b>                              |                    |
| CaCl <sub>2</sub> 2 H <sub>2</sub> O                 | 265.00             |
| Fe(NO <sub>3</sub> ) <sub>3</sub> 9 H <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             |
| <b>Other Components:</b>                             |                    |
| D-Glucose                                            | 4500.00            |
| Phenol Red Sodium Salt                               | 15.90              |
| Sodium Pyruvate                                      | 110.00             |

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## Precautions and Disclaimer

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This product is for research use only.

## Help Needed?

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If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email ([techservice@capricorn-scientific.com](mailto:techservice@capricorn-scientific.com)) or phone (+49 6424 944640).