

**DMEM - Medium**

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 Zusammensetzungen  
 mM

|                         | <b>Components</b>                                   | mg/L    |           |
|-------------------------|---|---------|-----------|
| <b>Anorganic salts</b>  | CaCl <sub>2</sub> anhydrous                         | 200.00  | 1,8018    |
|                         | Fe(III)-nitrate x 9H <sub>2</sub> O                 | 0.10    | 2.4752E-4 |
|                         | KCl   | 400.00  | 5.3333    |
|                         | MgSO <sub>4</sub>                                   | 97.66   | 0.8139    |
|                         | NaCl  | 6400.00 | 110.3448  |
|                         | NaH <sub>2</sub> PO <sub>4</sub> x H <sub>2</sub> O | 125.00  | 0.9058    |
|                         | NaHCO <sub>3</sub>                                  | 3700.00 | 44.0476   |
| <b>Other components</b> | D(+)-Glucose anhydrous                              | 4500.00 | 25.0000   |
|                         | HEPES*  | 5958.00 | 25.0336   |
|                         | * only included if mentioned                        |         |           |
|                         | Na-pyruvat  | 110.00  | 1.0000    |
|                         | Phenol red  | 15.00   | 0.0399    |
| <b>Amino acids</b>      | L-Arginine x HCl                                    | 84.00   | 0.3981    |
|                         | L-Cystine x 2HCl                                    | 62.58   | 0.2012    |
|                         | L-Glutamine   | 584.00  | 4.0000    |
|                         | Glycine   | 30.00   | 0.4000    |
|                         | L-Histidine x HCl x H <sub>2</sub> O                | 42.00   | 0.2000    |
|                         | L-Isoleucine  | 104.80  | 0.8015    |
|                         | L-Leucine   | 104.80  | 0.8015    |
|                         | L-Lysine x HCl                                      | 146.00  | 0.7978    |
|                         | L-Methionine  | 30.00   | 0.2013    |
|                         | L-Phenylalanine                                     | 66.00   | 0.4000    |
|                         | L-Serine  | 42.00   | 0.4000    |
|                         | L-Threonine   | 95.20   | 0.7984    |
|                         | L-Tryptophan  | 16.00   | 0.0784    |
| L-Tyrosine              | 72.00   | 0.3985  |           |
| L-Valine                | 93.60   | 0.8034  |           |
| <b>Vitamines</b>        | D-Ca-Pantothenate                                   | 4.00    | 0.0084    |
|                         | Cholin chloride                                     | 4.00    | 0.0286    |
|                         | Folic acid  | 4.00    | 0.0091    |
|                         | myo-Inositol  | 7.00    | 0.0400    |
|                         | Nicotinamide  | 4.00    | 0.0328    |
|                         | Pyridoxine x HCl                                    | 4.00    | 0.0194    |
|                         | Riboflavine   | 0.40    | 0.0011    |
|                         | Thiamine x HCl                                      | 4.00    | 0.0119    |

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