

Formulations

DULBECCO'S MODIFIED EAGLE'S MEDIUM (DMEM), LEBOEUF'S MODIFICATION

Cat.# 112-125

| COMPONENTS | mg / L |
|--|---------|
| Inorganic Salts | |
| CaCl ₂ (anhydrous) | 200.00 |
| Fe(NO ₃) ₃ •9H ₂ O | 0.10 |
| KCl | 400.00 |
| MgCl ₂ •6H ₂ O | 160.00 |
| NaCl | 6400.00 |
| NaHCO ₃ | 750.00 |
| NaH ₂ PO ₄ •H ₂ O | 125.00 |
| Other Components | |
| D-Glucose | 1000.00 |
| Phenol red•Na | 5.00 |
| Sodium pyruvate | 110.00 |
| Amino Acids | |
| L-Arginine•HCl | 84.00 |
| L-Cystine•2HCl | 62.57 |
| L-Glutamine | 584.00* |
| Glycine | 30.00 |
| L-Histidine•HCl•H ₂ 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 | 72.00 |
| L-Valine | 94.00 |
| Vitamins | |
| D-Ca pantothenate | 4.00 |
| Choline chloride | 4.00 |
| Folic acid | 4.00 |
| i-Inositol | 7.20 |
| Nicotinamide | 4.00 |
| Pyridoxal•HCl | 4.00 |
| Riboflavin | 0.40 |
| Thiamine•HCl | 4.00 |

*Omitted from preparation. Add L-glutamine (Cat.# 118-084-060) to a final concentration of 4mM prior to use.

Reference: Personal communication - Dr. Robert LeBoeuf, Proctor & Gamble, Cincinnati, Ohio