

HyClone classical media

CELL CULTURE

Dulbecco's Modified Eagle's Medium/Nutrient Mixture F12 Ham's Dry powdered media

| Component description | Code number SH30004, SH30301 | | Code number SH30069, SH30339 | |
|---|---------------------------------|----------|---------------------------------|----------|
| | mg/L | mmol/L | mg/L | mmol/L |
| Inorganic salts | | | | |
| Calcium chloride (anhydrous) | 116.61 | 1.0507 | 116.61 | 1.0507 |
| Copper sulfate-5H ₂ O | 0.0013 | 0.00001 | 0.0013 | 0.00001 |
| Ferric nitrate-9H ₂ O | 0.05 | 0.0001 | 0.05 | 0.0001 |
| Ferrous sulfate-7H ₂ O | 0.417 | 0.0015 | 0.417 | 0.0015 |
| Potassium chloride | 311.8 | 4.1824 | 311.8 | 4.1824 |
| Magnesium chloride (anhydrous) | 28.61 | 0.3005 | 28.61 | 0.3005 |
| Magnesium sulfate (anhydrous) | 48.84 | 0.4056 | 48.84 | 0.4056 |
| Sodium chloride | 6999.5 | 119.7724 | 6999.5 | 119.7724 |
| Sodium phosphate dibasic (anhydrous) | 71.02 | 0.5003 | 71.02 | 0.5003 |
| Sodium phosphate monobasic H ₂ O | 62.5 | 0.4529 | 62.5 | 0.4529 |
| Zinc sulfate-7H ₂ O | 0.43 | 0.0015 | 0.43 | 0.0015 |
| Amino acids | | | | |
| L-Alanine | 4.45 | 0.05 | 4.45 | 0.05 |
| L-Arginine-HCl | 147.5 | 0.7002 | 147.5 | 0.7002 |
| L-Asparagine-H ₂ O | 7.501 | 0.05 | 7.501 | 0.05 |
| L-Aspartic acid | 6.65 | 0.05 | 6.65 | 0.05 |
| L-Cysteine-HCl-H ₂ O | 17.56 | 0.1 | 17.56 | 0.1 |
| L-Cystine-2HCl | 31.29 | 0.0999 | 31.29 | 0.0999 |
| L-Glutamic acid | 7.35 | 0.05 | 7.35 | 0.05 |
| L-Glutamine | 365 | 2.4974 | 365 | 2.4974 |
| Glycine | 18.75 | 0.2498 | 18.75 | 0.2498 |
| L-Histidine-HCl-H ₂ O | 31.48 | 0.1502 | 31.48 | 0.1502 |
| L-Isoleucine | 54.47 | 0.4153 | 54.47 | 0.4153 |
| L-Leucine | 59.05 | 0.4502 | 59.05 | 0.4502 |
| L-Lysine-HCl | 91.26 | 0.4996 | 91.26 | 0.4996 |
| L-Methionine | 17.24 | 0.1155 | 17.24 | 0.1155 |
| L-Phenylalanine | 35.48 | 0.2148 | 35.48 | 0.2148 |
| L-Proline | 17.25 | 0.1498 | 17.25 | 0.1498 |
| L-Serine | 26.25 | 0.2498 | 26.25 | 0.2498 |
| L-Threonine | 53.45 | 0.4487 | 53.45 | 0.4487 |
| L-Tryptophan | 9.02 | 0.0442 | 9.02 | 0.0442 |
| L-Tyrosine-2Na-2H ₂ O | 55.79 | 0.2136 | 55.79 | 0.2136 |
| L-Valine | 52.85 | 0.4511 | 52.85 | 0.4511 |

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|---------------------------|---------------------------------|------------|---------------------------------|------------|
| | mg/L | mmol/L | mg/L | mmol/L |
| Vitamins | | | | |
| D-Biotin | 0.0036 | 0.00001 | 0.0036 | 0.00001 |
| Calcium D-pantothenate | 2.24 | 0.0047 | 2.24 | 0.0047 |
| Choline chloride | 8.98 | 0.0643 | 8.98 | 0.0643 |
| Folic acid | 2.65 | 0.006 | 2.65 | 0.006 |
| Myo-inositol | 12.6 | 0.0699 | 12.6 | 0.0699 |
| Niacinamide | 2.02 | 0.0165 | 2.02 | 0.0165 |
| Pyridoxal hydrochloride | 0 | 0 | 0 | 0 |
| Pyridoxine-HCl | 2.03 | 0.0099 | 2.03 | 0.0099 |
| Riboflavin | 0.22 | 0.0006 | 0.22 | 0.0006 |
| Thiamine-HCl | 2.17 | 0.0064 | 2.17 | 0.0064 |
| Vitamin B12 | 0.68 | 0.0005 | 0.68 | 0.0005 |
| D-Glucose | 3151 | 17.49 | 3151 | 17.49 |
| HEPES | 3575 | 15.0021 | 0 | 0 |
| Hypoxanthine-2Na | 2.7 | 0.015 | 2.7 | 0.015 |
| Linoleic acid | 0.04 | 0.0001 | 0.04 | 0.0001 |
| DL- α -Lipoic acid | 0.105 | 0.0005 | 0.105 | 0.0005 |
| Phenol red-Na | 8.6 | 0.0229 | 8.6 | 0.0229 |
| Putrescine-2HCl | 0.08 | 0.0005 | 0.08 | 0.0005 |
| Sodium pyruvate | 55 | 0.4999 | 55 | 0.4999 |
| Thymidine | 0.37 | 0.0015 | 0.37 | 0.0015 |
| Other | | | | |
| Sodium bicarbonate | Add 1200 | Add 14.284 | Add 1200 | Add 14.284 |

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