

## 培养基配方表 (Media Formulation)

名称: MEM 培养基 (ATCC 改良) 含酚红、2 mM L-谷氨酰胺、1 mM 丙酮酸钠和非必需氨基酸

货号: L540KJ

| 组分 (Components)                       | 分子量 (MW) | 浓度 (mg/L) | 摩尔浓度 (mM)   |
|---------------------------------------|----------|-----------|-------------|
| <b>氨基酸 (Amino Acids)</b>              |          |           |             |
| Glycine                               | 75.07    | 7.5       | 0.0999068   |
| L-Arginine hydrochloride              | 210.66   | 126.4     | 0.600019    |
| L-Cystine dihydrochloride             | 313.22   | 31.2      | 0.0996105   |
| L-Glutamine                           | 146.14   | 292       | 1.998084    |
| L-Histidine monohydrochloride hydrate | 209.63   | 41.9      | 0.199876    |
| L-Isoleucine                          | 131.17   | 52.5      | 0.400244    |
| L-Leucine                             | 131.17   | 52.5      | 0.400244    |
| L-Lysine hydrochloride                | 182.65   | 72.5      | 0.396934    |
| L-Methionine                          | 149.21   | 15        | 0.1005295   |
| L-Phenylalanine                       | 165.19   | 32.5      | 0.1967431   |
| L-Serine                              | 105.09   | 10.5      | 0.0999144   |
| L-Threonine                           | 119.12   | 47.6      | 0.399597    |
| L-Tryptophan                          | 204.23   | 10        | 0.0489644   |
| L-Tyrosine disodium salt dihydrate    | 261.18   | 51.9      | 0.1987135   |
| L-Valine                              | 117.15   | 46.8      | 0.3994878   |
| L-Aspartic acid                       | 133.1    | 13.3      | 0.0999249   |
| L-Glutamic Acid                       | 147.13   | 14.7      | 0.0999116   |
| L-Proline                             | 115.13   | 11.5      | 0.0998871   |
| L-Alanine                             | 89.09    | 8.9       | 0.099899    |
| L-Asparagine monohydrate              | 150.13   | 15        | 0.0999134   |
| <b>无机盐 (Inorganic Salts)</b>          |          |           |             |
| Calcium Chloride                      | 110.98   | 200       | 1.8021265   |
| Magnesium Sulfate                     | 120.37   | 97.67     | 0.8114148   |
| Potassium Chloride                    | 74.55    | 400       | 5.3655265   |
| Sodium Bicarbonate                    | 84.01    | 1500      | 17.8550173  |
| Sodium Chloride                       | 58.44    | 6800      | 116.3586585 |
| Sodium Phosphate monobasic hydrate    | 137.99   | 140       | 1.0145663   |
| <b>维生素 (Vitamins)</b>                 |          |           |             |
| Choline chloride                      | 139.62   | 1         | 0.0071623   |
| D-Calcium pantothenate                | 238.27   | 1         | 0.0041969   |
| Folic Acid                            | 441.4    | 1         | 0.0022655   |
| i-Inositol                            | 180.16   | 2         | 0.0111012   |
| Niacinamide                           | 122.12   | 1         | 0.0081887   |
| Pyridoxine hydrochloride              | 205.64   | 1         | 0.0048629   |
| Riboflavin                            | 376.36   | 0.1       | 0.0002657   |
| Thiamine hydrochloride                | 337.27   | 1         | 0.002965    |

上海源培生物科技股份有限公司

Shanghai BasalMedia Technologies Co., Ltd.

电话: +86 21 37196939 传真: +86 21 37196938

邮箱: info@basalmedia.com 地址: 上海市奉贤区岚丰路 1569 号

| 其他组分 (Other Components) |        |      |           |
|-------------------------|--------|------|-----------|
| D-(+)-Glucose           | 180.16 | 1000 | 5.5506217 |
| Phenol Red              | 376.4  | 10   | 0.0265675 |
| Sodium Pyruvate         | 110.04 | 110  | 0.9996365 |