# ProductInformation

## Fischer's Medium

Fischer's Medium originally was formulated to support serial propagation of cells from leukemic mice. In initial studies, cells in culture were examined for resistance to chemotherapeutic agents. While most such studies were carried out using whole animals, Fischer's medium made it possible to conduct parallel studies in vitro. Fischer's Medium supports clonal reproduction of cells, particularly lymphoblasts from primary explants or from cells in culture.

**REFERENCE**

1. Fischer, G.A. and Sartorelli, A.C. (1964). Development, Maintenance and Assay of Drug Resistance. Methods in Med. Res., 10, 247.

| COMPONENT | F 5008 g/L |
|---|---|
| **INORGANIC SALTS** | |
| $CaCl_2 \cdot 2H_2O$ | 0.091 |
| $MgCl \cdot 6H_2O$ | 0.1 |
| KCl | 0.4 |
| NaCl | 8.0 |
| $Na_2HPO_4$ (anhyd) | 0.06 |
| $NaH_2PO_4$ (anhyd) | 0.06 |
| **AMINO ACIDS** | |
| L-Arginine•HCl | 0.015 |
| L-Asparagine (anhyd) | 0.01 |
| L-Cystine•2HCl | 0.0261 |
| L-Glutamine | 0.204 |
| L-Histidine•HCl•$H_2O$ | 0.081 |
| L-Isoleucine | 0.075 |
| L-Leucine | 0.03 |
| L-Lysine•HCl | 0.05 |
| L-Methionine | 0.1 |
| L-Phenylalanine | 0.06 |
| L-Serine | 0.015 |
| L-Threonine | 0.04 |
| L-Tryptophan | 0.01 |
| L-Tyrosine•2Na•$2H_2O$ | 0.08716 |
| L-Valine | 0.07 |

| COMPONENT | F 5008 g/L |
|---|---|
| **VITAMINS** | |
| D-Biotin | 0.00001 |
| Choline Chloride | 0.0015 |
| Folic Acid | 0.01 |
| myo-Inositol | 0.0015 |
| Niacinamide | 0.0005 |
| D-Pantothenic•½Ca | 0.0005 |
| Pyridoxal•HCl | 0.0005 |
| Riboflavin | 0.0005 |
| Thiamine•HCl | 0.001 |
| **OTHER** | |
| D-Glucose | 1.0 |
| Phenol Red•Na | 0.0053 |
| **ADD** | |
| $NaHCO_3$ | 1.125 |
| | |
| Grams of powder required to prepare 1 L | 10.6 |