

**Universal Basal Medium**
**ORDERING INFORMATION**

|                     |                              |
|---------------------|------------------------------|
| <b>Product Name</b> | Universal Basal Medium (UBM) |
| <b>Catalog No:</b>  | <b>cAP-1C</b>                |
| <b>Size:</b>        | 500ml                        |
| <b>Storage:</b>     | 4°C                          |

**Description**

The Universal Basal Medium (UBM, cAP-1C) is a chemically defined medium (details of the Formulation for the medium is enclosed in this data sheet) that was designed to culture most of human and animal primary cells or cell lines under the support of FBS alone.

**Shipping Condition:** Ambient temperature (blue ice, seasonally).

**Storage Condition:** The UBM should be stored at 4°C. A change in color or appearance of precipitate may indicate deterioration.

**Shelf Life:** 3 months from the date of receipt under proper storage condition.

**Related Products**

|  |                |        |                 |
|--|----------------|--------|-----------------|
| Quick Coating Solution                       | <b>cAP-01</b>  | 240ml  | Angio-Proteomie |
| Cell Freezing Solution (FBS)                 | <b>cAP-22</b>  | 50ml   | Angio-Proteomie |
| Cell Freezing Solution (Non-FBS)             | <b>cAP-22B</b> | 50ml   | Angio-Proteomie |
| HBSS w/o Ca <sup>2+</sup> , Mg <sup>2+</sup> | <b>cAP-11</b>  | 100ml  | Angio-Proteomie |
| Trypsin/EDTA Solution                        | <b>cAP-23</b>  | 100ml  | Angio-Proteomie |
| Trypsin Neutralization Solution              | <b>cAP-28</b>  | 100ml  | Angio-Proteomie |
| ITS (100x)                                   | <b>cAP-26</b>  | 10ml   | Angio-Proteomie |
| L-Glutamine-MAXIMUM (100x)                   | <b>cAP-27</b>  | 100ml  | Angio-Proteomie |
| Human Plasma Fibronectin Solution            | <b>cAP-42</b>  | 1mg/ml | Angio-Proteomie |
| Bovine Type I Collagen Solution              | <b>cAP-17</b>  | 100mg  | Angio-Proteomie |

**Formulation of UBM (next Page):**

Components shown as mg/L

|  |                 |
|--|-----------------|
| <b>Inorganic Salts:</b>                    |                 |
| Ammonium Metavanadate                      | 0.0006          |
| Ammonium Molybdate·4H <sub>2</sub> O       | 0.0037          |
| Calcium Chloride·2H <sub>2</sub> O         | 235             |
| Cupric Sulfate·5H <sub>2</sub> O           | 0.0012          |
| Ferrous Sulfate·7H <sub>2</sub> O          | 0.283           |
| Magnesium Sulfate·7H <sub>2</sub> O        | 2464            |
| Manganese Sulfate·H <sub>2</sub> O         | 0.0002          |
| Nickel Chloride·6H <sub>2</sub> O          | 0.000071        |
| Potassium Chloride                         | 298             |
| Sodium Chloride                            | 6430            |
| Sodium Meta Silicate·9H <sub>2</sub> O     | 2.8             |
| Sodium Phosphate Dibasic·7H <sub>2</sub> O | 134             |
| Zinc Sulfate·H <sub>2</sub> O              | 0.0003          |
| <b>Amino Acids:</b>                        |                 |
| L-Alanine                                  | 2.7             |
| L-Arginine Hydrochloride                   | 63.2            |
| L-Asparagine·H <sub>2</sub> O              | 15              |
| L-Aspartic Acid                            | 13.3            |
| L-Cysteine·2HCl·H <sub>2</sub> O           | 35              |
| L-Glutamic Acid                            | 4.4             |
| Glycine                                    | 2.3             |
| L-Histidine Hydrochloride·H <sub>2</sub> O | 42              |
| L-Isoleucine                               | 66              |
| L-Leucine                                  | 131             |
| L-Lysine Hydrochloride                     | 182             |
| L-Methionine                               | 15              |
| L-Phenylalanine                            | 33              |
| L-Proline                                  | 11.5            |
| L-Serine                                   | 32              |
| L-Threonine                                | 12              |
| L-Tryptophan                               | 4.1             |
| L-Tyrosine                                 | 18.1            |
| L-Valine                                   | 117             |
| <b>Vitamins:</b>                           |                 |
| Biotin                                     | 0.0073          |
| Choline Chloride                           | 14              |
| Vitamin B12                                | 0.0136          |
| Folic Acid Calcium                         | 0.6             |
| i-Inositol                                 | 7.2             |
| Niacinamide                                | 6.1             |
| D-Calcium Pantothenate                     | 12              |
| Pyridoxine Hydrochloride                   | 2.1             |
| Riboflavin                                 | 0.0038          |
| Thiamine Hydrochloride                     | 3.4             |
| <b>Other Components:</b>                   |                 |
| Adenine                                    | 0.135           |
| Thymidine                                  | 0.024           |
| D-Glucose                                  | 1000            |
| Lipoic Acid                                | 0.0021          |
| Phenol Red                                 | 12.4            |
| Putrescine·2HCl                            | 0.0002          |
| Selenious Acid                             | 0.0038          |
| Sodium Pyruvate                            | 110             |
| <b>Total:</b>                              | <b>11.53g/L</b> |

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY**

Caution: Handling human and animal tissue derived products is potentially bio-hazardous. Although each cell strain is tested negative for HIV, HBV and HCV DNA, or pathogens, diagnostic tests are not necessarily 100% accurate; therefore proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working with these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.