



Click's Medium (EHAA) Eagle Hank's Amino Acids

With Sodium bicarbonate

Without Mercaptoethanol and L-Glutamine

Product Code: AL117

Product Description:

Click's medium was developed by Robert Click to study the in vitro immune response of mouse spleen cells. The addition of mercaptoethanol to the medium permits successful immunization of spleen cells with heterologous RBC cultured under stationary conditions without daily feeding.

AL117 is Click's Medium (EHAA) Eagle's Hank's Amino Acids without L-glutamine and mercaptoethanol. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

Composition:

| Ingredients | mg/L |
|--------------------------------|----------|
| INORGANIC SALTS | |
| Calcium chloride dihydrate | 245.530 |
| Disodium hydrogen phosphate | 47.900 |
| Magnesium chloride anhydrous | 164.900 |
| Magnesium sulphate anhydrous | 97.720 |
| Potassium chloride | 400.000 |
| Potassium dihydrogen phosphate | 60.000 |
| Sodium bicarbonate | 1350.000 |
| Sodium chloride | 8000.000 |
| AMINO ACIDS | |
| Glycine | 30.000 |
| L-Alanine | 35.600 |
| L-Arginine hydrochloride | 317.500 |
| L-Asparagine anhydrous | 52.800 |
| L-Aspartic acid | 53.200 |
| L-Cystine dihydrochloride | 78.200 |
| L-Glutamic acid | 58.800 |
| L-Histidine hydrochloride | 104.700 |
| L-Isoleucine | 130.000 |
| L-Leucine | 130.000 |
| L-Lysine hydrochloride | 181.200 |
| L-Methionine | 37.500 |
| L-Phenylalanine | 80.000 |

| | |
|--------------------------|---------|
| L-Proline | 46.000 |
| L-Serine | 42.000 |
| L-Threonine | 120.000 |
| L-Tryptophan | 25.000 |
| L-Tyrosine Disodium salt | 118.900 |
| L-Valine | 115.000 |

VITAMINS

| | |
|-------------------------|-------|
| Choline chloride | 2.000 |
| D-Ca-Pantothenate | 2.000 |
| Folic acid | 2.000 |
| Niacinamide | 2.000 |
| Pyridoxal hydrochloride | 2.000 |
| Riboflavin | 0.200 |
| Thiamine hydrochloride | 2.000 |
| myo-Inositol | 4.000 |

OTHERS

| | |
|------------------------|----------|
| Adenosine | 25.000 |
| Cytosine | 25.000 |
| Glucose | 1000.000 |
| Guanosine | 25.000 |
| Phenol red Sodium Salt | 11.000 |
| Sodium pyruvate | 275.000 |
| Uridine | 25.000 |

Directions:

Add 20ml of 200mM L-Glutamine (TCL012) for 1 litre of medium.

Material required but not provided:

L-Glutamine solution 200mM (TCL012)

Quality Control:

Appearance

Orangish red colored, clear solution.

pH

7.00 -7.60

Osmolality in mOsm/Kg H₂O

310.00 -350.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

The growth promotion capacity of the medium is assessed qualitatively by analyzing the cells for the morphology and quantitatively by estimating the cell counts.

Endotoxin Content

NMT 1EU/ml

Storage and Shelf Life:

Store at 2-8°C away from bright light.

Shelf life is 18 months.

Use before expiry date given on the product label.

Disclaimer :

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