Click's Medium Eagle Hank's Amino Acids
With Sodium bicarbonate
Without Mercaptoethanol and L-Glutamine
1X Liquid Cell Culture Medium

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:
1. 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

Please refer disclaimer overleaf
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 and comparing it with a control medium through minimum three subcultures.

Endotoxin Content
NMT 5EU/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.

Revision : 1 / 2011

Disclaimer :
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