

Technical Information

Click's Medium Eagle Hank's Amino Acids

With Sodium bicarbonate Without Mercaptoethanol and L-Glutamine 1X Liquid Cell Culture Medium

Product Code: AL1117

Application: 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.

AL1117 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/Litre
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-Cystinedihydrochloride	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

Methodology

1. Add 20ml of 200mM L-Glutamine (TCL1012) for 1 litre of medium.

Material required but not provided

L-Glutamine solution 200mM (TCL1012)

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 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.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.

**Animal Cell
Culture**



Product Specification

cdhfinechemical.com

