



CMRL 1066 Medium

With L-Glutamine and Sodium bicarbonate

Product Code: AL110A

Product Description:

CMRL media are based on the composition of Medium 199. Nucleic acid derivatives, coenzymes omitted in H597 modification were retained in CMRL 1066. CMRL 1066 is a chemically defined medium formulated for long term cultivation of mouse L cells in the absence of protein supplement. Although originally designed for use in serum free conditions, this medium supports growth of a variety of cell lines in the presence of serum.

AL110A is CMRL 1066 Medium with L-glutamine and sodium bicarbonate. 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	265.000
Magnesium sulphate anhydrous	97.690
Potassium chloride	400.000
Sodium acetate anhydrous	50.000
Sodium bicarbonate	2750.000
Sodium chloride	6800.000
Sodium dihydrogen phosphate anhydrous	122.000
AMINO ACIDS	
Glycine	50.000
L-Alanine	25.000
L-Arginine	57.870
L-Aspartic acid	30.000
L-Cysteine hydrochloride monohydrate	260.000
L-Cystine	20.000
L-Glutamic acid	75.000
L-Glutamine	100.000
L-Histidine hydrochloride monohydrate	20.000
L-Isoleucine	20.000
L-Leucine	60.000
L-Lysine hydrochloride	70.000
L-Methionine	15.000
L-Phenylalanine	25.000

L-Proline	40.000
L-Serine	25.000
L-Threonine	30.000
L-Tryptophan	10.000
L-Tyrosine	40.000
L-Valine	25.000
Trans-4-Hydroxy-L-Proline	10.000
VITAMINS	
D-Biotin	0.010
Folic acid	0.010
L-Ascorbic acid sodium salt	50.000
Niacinamide	0.025
Nicotinic acid	0.025
Pyridoxal hydrochloride	0.025
Pyridoxine hydrochloride	0.025
Riboflavin	0.010
Thiamine hydrochloride	0.010
OTHERS	
2' Deoxyadenosine	10.000
2' Deoxycytidine hydrochloride	11.600
2' Deoxyguanosine	10.000
5-Methyldeoxycytidine	0.100
Beta NAD	7.000
Beta NADP sodium salt	10.000
Cholesterol	0.200
Choline chloride	0.500
Coccarboxylase	1.000
Coenzyme A sodium salt	2.500
D-Ca-Pantothenate	0.010
D-Glucose	1000.000
D-Glucuronic acid sodium salt FAD	3.880
Disodium Salt	0.106
Glutathione	10.000
Phenol red sodium salt	21.240
Thymidine	10.000
Tween 80	5.000
Uridine-5-Triphosphate sodium salt	1.000
myo-Inositol	0.050
p-Amino benzoic acid (PABA)	0.050

Quality Control:

Appearance

Orangish red colored, clear solution.

pH

7.00 -7.60

Osmolality in mOsm/Kg H₂O

300.00 -340.00

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 12 months.

Use before expiry date given on the product label.

Disclaimer :

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