

Alpha MEM

Description

Alpha MEM is a different formulation of MEM Eagle and contains a higher concentration of amino acids. It also has a higher concentration of lipoic acid, vitamins and pyruvate. Primarily it was developed for the cultivation of hamster kidney cells, but today it is used for a broad range of mammalian cells. Among others the alpha MEM promotes the growth and progeny of bone marrow cells in suspension culture and monolayer. A further possibility is the use as a separation medium or for the out-breeding of amniotic cells.

Liquid Media

Alpha MEM Eagle⁽¹⁾
without L-Glutamine
without Ribonucleosides
without Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21050

Alpha MEM Eagle⁽¹⁾
without L-Glutamine
with Ribonucleosides
with Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21150

Alpha MEM Eagle⁽¹⁾
with L-Glutamine
with Ribonucleosides
with Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21500

Alpha MEM Eagle⁽¹⁾
with stab. Glutamin
with Ribonucleosides
with Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21250

Special Media

Alpha MEM Eagle⁽²⁾
with L-Glutamine
without Ribonucleosides
without Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21060

Alpha MEM Eagle⁽²⁾
with L-Glutamine
without Ribonucleosids
without Deoxyribonucleosids
with 2.2 g/L NaHCO₃ 500 ml P04-21350

Alpha MEM Eagle⁽²⁾
with L-Glutamine
without Glucose
with Ribonucleosides
with Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21502

Alpha MEM Eagle⁽²⁾
without Glutamine
without Phenol red
without Ribonucleosides
without Deoxyribonucleosides
with 2.2 g/L NaHCO₃ 500 ml P04-21051

(1) usually on stock, (2) minimum order 10 l, (3) available on request

Alpha MEM

Powder Media

Alpha MEM Eagle ⁽¹⁾ without L-Glutamine with Ribonucleosides with Deoxyribonucleosides without NaHCO ₃	10 L P03-2410 50 L P03-2450
Alpha MEM Eagle ⁽¹⁾ with L-Glutamine with Ribonucleosides with Deoxyribonucleosides without NaHCO ₃	10 L P03-2510 50 L P03-2550
Alpha MEM Eagle ⁽¹⁾ with L-Glutamine without Ribonucleosides without Deoxyribonucleosides with 2.2 g/L NaHCO ₃	10 L P03-2310 50 L P03-2350
Alpha MEM Eagle ⁽¹⁾ with L-Glutamine with 25 mM Hepes with Ribonucleosides with Deoxyribonucleosides without NaHCO ₃	10 L P03-2610 50 L P03-2650

Composition

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H ₂ O	264.92
	Magnesium sulfate dried	139.52
	Potassium chloride	400.00
	Sodium chloride	6,800.00
	Sodium dihydrogen phosphate x H ₂ O	140.00
Other Components	D(+)-Glucose anhydrous	1,000.00
	Hepes	5,958.00
	Lipoic acid	0.20
	Phenol red	10.00
	Sodium pyruvate	110.00
Amino acids	L-Alanine	25.00
	L-Arginine x HCl	126.64
	L-Asparagine x H ₂ O	50.00
	L-Aspartic acid	30.00
	L-Cysteine x HCl x H ₂ O	100.00
	L-Cystine	24.00
	L-Glutamine	292.00
	L-Glutamic acid	75.00
	Glycine	50.00
	L-Histidine x HCl x H ₂ O	42.00
	L-Isoleucine	52.40
	L-Leucine	52.40
	L-Lysine x HCl	72.47
	L-Methionine	15.00
	L-Phenylalanine	32.00
	L-Proline	40.00
	L-Serine	25.00
L-Threonine	48.00	
L-Tryptophan	10.00	
L-Tyrosine	36.20	
L-Valine	46.00	
Vitamins	L-Ascorbic acid	50.00
	D(+)-Biotin	0.10
	D-Calcium pantothenate	1.00
	Choline chloride	1.00
	Folic acid	1.00
	myo-Inositol	2.00
	Nicotinamide	1.00
	Pyridoxal x HCl	1.00
	Riboflavin	0.10
	Thiamine x HCl	1.00
	Vitamine B12	1.33
Ribonucleosides	Adenosine	10.00
	Cytidine	10.00
	Guanosine	10.00
	Uridine	10.00
Deoxyribonucleosides	2'-Deoxyadenosine x H ₂ O	10.00
	2'-Deoxycytidine x HCl	11.00
	2'-Deoxyguanosine	10.00
	2'-Deoxythymidine	10.00

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