

BME with Hank's Salts

Description

In the fifties of the last century it was found that mammalian cells do not only need the 10 essential amino acids, but also cystine, tyrosine and glutamine. In addition to these three amino acids BME includes

Composition

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H ₂ O	185.44
	Magnesium sulfate dried	139.52
	Potassium chloride	400.00
	Potassium dihydrogen phosphate anhydrous	60.00
	Sodium chloride	8,000.00
	di-Sodium hydrogen phosphate	47.88
	Other Components	D(+)-Glucose anhydrous
Hepes		5,958.00
Phenol red		10.00
Amino acids	L-Arginine x HCl	21.00
	L-Cystine	12.00
	L-Glutamine	292.00
	L-Histidine Base	8.00
	L-Isoleucine	26.00
	L-Leucine	26.00
	L-Lysine x HCl	36.47
	L-Methionine	7.50
	L-Phenylalanine	16.50
	L-Threonine	24.00
	L-Tryptophan	4.00
	L-Tyrosine	18.00
	L-Valine	23.50
Vitamins	D(+)-Biotin	1.00
	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

When 5,958.00 mg/L HEPES is included there is only 7,500.00 mg/L sodium chloride.

Liquid Media

BME with HBSS⁽¹⁾
without L-Glutamine
with 0.35 g/L NaHCO₃ 500 ml P04-26050

BME with Earle's Salts

also eight B-vitamins. Originally BME was used for the cultivation of murine L-cells and HeLa cells. With its many variations it is used in many fields of science today. Along with the cultivation of normal mammalian cells BME is very suitable for transformed cells.

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
	Phenol red	10.00
Amino acids	L-Arginine x HCl	21.00
	L-Cystine	12.00
	L-Glutamine	292.00
	L-Histidine Base	8.00
	L-Isoleucine	26.00
	L-Leucine	26.00
	L-Lysine x HCl	36.47
	L-Methionine	7.50
	L-Phenylalanine	16.50
	L-Threonine	24.00
	L-Tryptophan	4.00
L-Tyrosine	18.00	
L-Valine	23.50	
Vitamins	D(+)-Biotin	1.00
	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	

When 5,958.00 mg/L HEPES is included there is only 6,300.00 mg/L sodium chloride.

Liquid Media

BME with EBSS⁽¹⁾
without L-Glutamine
with 2.2 g/L NaHCO₃ 500 ml P04-25050

Special Media

BME with EBSS⁽²⁾
with L-Glutamine
with 2.2 g/L NaHCO₃ 500 ml P04-25500

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