Glasgow MEM (BHK 21)

Description

The GMEM was developed as a modification of BME to culture primary baby hamster kidney cells. This version has twice the concentration of vitamins and amino acids.

Liquid Media

Glasgow-MEM (BHK 21)(1) without L-Glutamine without Tryptose phosphate with 2.75 g/L $NaHCO_3$	500 ml	P04-97500
Glasgow-MEM (BHK 21)(2) without L-Glutamine with Tryptose phosphate with 2.75 g/L $NaHCO_3$	500 ml	P04-98500
Glasgow-MEM (BHK 21)(1) with L-Glutamine with Tryptose phosphate with 2.75 g/L $NaHCO_3$	500 ml	P04-96500

Powder Media

Glasgow-MEM (BHK 21)(1) without L-Glutamine without Tryptose phosphate without $NaHCO_3$	10 L 50 L	P03-3110 P03-3150
Glasgow-MEM (BHK 21) (1) with L-Glutamine with Tryptose phosphate without $NaHCO_3$	10 L 50 L	P03-6910 P03-6950
Glasgow-MEM (BHK 21)(1) with L-Glutamine without Tryptose phosphate without $NaHCO_3$	10 L 50 L	P03-6810 P03-6850

Composition

	Components	w/o Tryptose Phosph-ate mg/L	with Trytose Phosph-
Inor-ganic Salts	Calcium chloride x $2H_2O$	264.92	238.43
	Iron(III) nitrate x $9H_2O$	0.10	0.09
	Magnesium sulfate dried	139.57	125.64
	Potassium chloride	400.00	360.00
	Sodium chloride	6,400.00	6,260.00
	di-Sodium hydrogen phosphate	0.00	250.00
	Sodium dihydrogen phosphate x H_2O	124.00	111.60
Other Com-po-nents	D(+)-Glucose anhydrous	4,500.00	4,250.00
	Phenol red	15.00	13.50
	Pepton from Casein	0.00	1,000.00
	Pepton from meat	0.00	500.00
	Yeast extract	0.00	500.00
Ami-no acids	L-Arginine x HCl	42.00	37.80
	L-Cystine	24.00	21.60
	L-Glutamine	292.00	262.80
	L-Histidine x HCl x H_2O	21.00	18.90
	L-Isoleucine	52.40	47.16
	L-Leucine	52.40	47.16
	L-Lysine x HCl	73.10	65.79
	L-Methionine	15.00	13.50
	L-Phenylalanine	33.00	29.70
	L-Threonine	47.60	42.84
	L-Tryptophan	8.00	7.20
	L-Tyrosine	36.20	32.52
	L-Valine	46.80	42.12
Vita-mins	D-Calcium pantothenate	2.00	1.80
	Choline chloride	2.00	1.80
	Folic acid	2.00	1.80
	myo-Inositol	3.60	3.24
	Nicotinamide	2.00	1.80
	Pyridoxal x HCl	2.00	1.80
	Riboflavin	0.20	0.18
	Thiamine x HCl	2.00	1.80

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