



WISENT INC.

Glasgow's MEM Formulation

Catalog no.	322-005 1X, Liquid GMEM
Inorganic Salts	mg/L
CaCl ₂ (anhydrous)	200.00
Fe(NO ₃) ₃ ·9H ₂ O	0.10
KCl	400.00
KH ₂ PO ₄	----
MgSO ₄ (anhydrous)	97.67
NaCl	6400.00
NaH ₂ PO ₄ ·H ₂ O	124.00
Na ₂ HPO ₄ (anhydrous)	----
NaHCO ₃	2750.00
Amino Acids	
L-Alanine	----
L-Arginine·HCl	42.00
L-Asparagine·H ₂ O	----
L-Aspartic acid	----
L-Cystine·2HCl	31.28
L-Glutamic acid	----
L-Glutamine	292.00
Glycine	----
L-Histidine·HCl·H ₂ O	21.00
L-Isoleucine	52.40
L-Leucine	52.40
L-Lysine·HCl	73.10
L-Methionine	15.00
L-Phenylalanine	33.00
L-Proline	----
L-Serine	----
L-Threonine	47.60
L-Tryptophan	8.00
L-Tyrosine·2Na·2H ₂ O	52.19
L-Valine	46.80



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Glasgow's MEM Formulation, contd.

Catalog no.	322-005 1X, Liquid GMEM
Vitamins	mg/L
Choline bitartrate	----
D-Calcium pantothenate	2.00
Choline chloride	2.00
Folic acid	2.00
i-Inositol	3.60
Nicotinamide	2.00
Pyridoxine·HCl	2.00
Riboflavin	0.20
Thiamine·HCl	2.00
Other	
D-Glucose	4500.00
Phenol red, Na	15.00
Sodium pyruvate	----
Succinic acid	----
Specifications	
pH (after buffer)	7.2 ± 0.2
Osmolality (mOsm/kg)	290 ± 30