



**Advanced Glasgow's Modified Eagle's Medium**  
**Glutamine-Free**  
**Cat #: P3A210772**  
**Standard Formulation**

<b>Amino Acids</b>	<b>g/L</b>	<b>Vitamins</b>	<b>g/L</b>
L-Arginine. HCl	0.084	choline chloride	0.003
L-Cystine. 2HCl	0.031	Folic Acid	0.001
		Niacinamide	0.001
L-Histidine.HCl.H2O	0.042	Para-Aminobenzoic Acid	0.001
L-Isoleucine	0.104	Pyridoxine hydrochloride	0.001
L-Leucine	0.104	Thiamine hydrochloride	0.001
L-Lysine. HCl	0.146	i-Inositol	0.035
L-Methionine	0.30	Vitamin B12	5X 10 <sup>-6</sup>
L-Phenylalanine	0.66	Riboflavin	0.0002
L-Threonine	0.55	D-Calcium pantothenate	2.5 X 10 <sup>-6</sup>
L-Tryptophan	0.016	<b>Other Elements</b>	<b>g/L</b>
L-Tyrosine.2Na.2H2O	0.052	D-Glucose	4.5
L-Valine	0.094	Phenol Red	0.015
<b>Inorganic Salts</b>	<b>g/L</b>	Sodium Pyruvate	0.11
CaCl2 (anhydrous)	0.2	<b>Reducing Agents</b>	<b>g/L</b>
Fe (NO3)3. 9H2O	0.0001	Glutathione, monosodium	0.001
MgSO4 (anhydrous)	0.098	<b>Proteins</b>	<b>g/L</b>
KCl	0.4	PurMa™ AlbuSup (Albumin)*	0.4
NaHCO3	2.75	Human Transferrin (Holo)	0.0075
NaCl	6.4	Insulin Recombinant Full Chain	0.010
NaH2PO4.H2O	0.124		
<b>Trace Elements</b>	<b>g/liter</b>		
Ammonium Metavanadate	0.3 X 10 <sup>-6</sup>		
Cupric Sulfate	1.25 X 10 <sup>-6</sup>		
Manganous Chloride	0.5 X 10 <sup>-6</sup>		
Sodium Selenite	0.5 X 10 <sup>-6</sup>		

\*Chromatographically purified with IgG content <=0.1.0%.