

# Advanced Roswell Park Memorial Institute Medium (A-RPMI-1640)

Cat Number: P3A210109

Containing PurMa™ GlutaSup (4 mM L-Alanyl-L-Glutamine) (868 mg/L)

Requires % 2-5 FBS

## Standard Formulation



Amino Acids	g/liter	Others	g/liter
Glycine	0.010	D-Glucose	2.00
L-Alanyl-L-Glutamine	0.868	Phenol Red	0.005
L-Arginine	0.2	Sodium Pyruvate	0.110
L-Asparagine	0.05	Ethanolamine	0.0019
Ascorbic Acid phosphate	0.0025	Hypoxanthine Na	0.00239
L-Cystine. 2HCl	0.065	Linoleic Acid	0.000042
L-Glutamic Acid	0.020	Lipoic Acid	0.000105
L-Histidine	0.015	Thymidine	0.000365
L-Hydroxyproline	0.020	Putrescine 2HCl	0.000081
L-Isoleucine	0.050		
L-Leucine	0.050	<b>Vitamins</b>	<b>g/liter</b>
L-Lysine hydrochloride	0.040	choline chloride	0.003
L-Methionine	0.015	Folic Acid	0.001
L-Phenylalanine	0.015	Niacinamide	0.001
L-Proline	0.020	Para-Aminobenzoic Acid	0.001
L-Serine	0.030	Pyridoxine hydrochloride	0.001
L-Threonine	0.020	Thiamine hydrochloride	0.001
L-Tryptophan	0.005	i-Inositol	0.035
L-Tyrosine. 2Na. 2H2O	0.029	Vitamin B12	5X 10 <sup>-6</sup>
L-Valine	0.020	Riboflavin	0.0002
<b>Inorganic Salts</b>	<b>g/liter</b>	D-Calcium pantothenate	2.5 X 10 <sup>-6</sup>
Ca (NO3) + 4H2O	0.100		
MgSO4 (anhydrous)	0.048	<b>Reducing Agents</b>	<b>g/liter</b>
KCl	0.400	Glutathione, monosodium	0.001
ZnSO4. 7H2O	0.00087	<b>Proteins</b>	<b>g/liter</b>
NaHCO3	2.00	PurMa™ AlbuSup (Albumin)*	0.4
NaCl	6.0	Human Transferrin (Holo)	0.0075
Na2HPO4 Anhydrous	0.800	Insulin Recombinant Full Chain	0.010
<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%.