

**Base Formulation of PurMa™ Chemically Defined Minimum
Essential Medium in Earl's Buffer (CD MEM in EBSS)
Containing PurMa™ GlutaSup (2 mM L-Alanyl-L-Glutamine) (434mg/L)
Cat #: P3C310123
Standard Formulation**

Amino Acids	g/liter	Vitamins	g/liter
Glycine	0.050	Choline Chloride	0.001
L-Alanine	0.025	Folic Acid	0.001
L-Arginine·HCl	0.105	myo-Inositol	0.002
L-Asparagine·H ₂ O	0.050	Nicotinamide	0.001
L-Aspartic acid	0.030	D-Calcium pantothenate	0.001
L-Cysteine·HCl·H ₂ O	0.1	Pyridoxine·HCl	0.001
L-Cystine	0.024	Riboflavin	0.0001
L-Glutamic Acid	0.075	Thiamine· HCl	0.001
L-Alanyl-L-Glutamine	0.434	Biotin	0.0001
L-Histidine	0.031	Vitamin B12	0.00136
L-Isoleucine	0.0524	Ascorbic Acid	0.050
L-Leucine	0.052	Others	g/liter
L-Lysine	0.058	Phenol Red, Sodium Salt	0.010
L-Methionine	0.015	D-Glucose	1.0
L-Phenylalanine	0.032	Lipoic Acid	0.0002
L-Proline	0.040	Sodium Pyruvate	0.11
L-Serine	0.025		
L-Threonine	0.048		
L-Tryptophan	0.010		
L-Tyrosine	0.036		
L-Valine	0.046		
Inorganic Salts	g/liter		
CaCl ₂ ·2H ₂ O	0.264		
MgSO ₄ ·7H ₂ O	0.200		
KCl	0.4		
Sodium Bicarbonate (NaHCO ₃)	2.2		
Sodium Chloride (NaCl)	6.8		
NaH ₂ PO ₄ ·2H ₂ O	0.158		