



**Base Formulation of PurMa™ Chemically Defined
William's E Medium**
Cat #: P3C310880
Containing PurMa™ GlutaSup (2mM L-Alanyl- L-Glutamine)
(434 mg/L)
Standard Formulation

Amino Acids	g/L	Vitamins	g/L
Glycine	0.05	Ascorbic Acid	0.002
L-Alanine	0.09	Biotin	0.0005
L-Arginine	0.05	Choline chloride	0.0015
L-Asparagine-H ₂ O	0.02	D-Calcium pantothenate	0.001
L-Aspartic acid	0.03	Ergocalciferol	0.0001
L-Alanyl-L-Glutamine	0.434	Folic Acid	0.001
L-Cysteine	0.04	Menadione sodium bisulfate	0.00001
L-Cystine 2HCl	0.02607	Niacinamide	0.001
L-Glutamic Acid	0.05	Pyridoxal hydrochloride	0.001
L-Histidine	0.015	Riboflavin	0.0001
L-Isoleucine	0.05	Thiamine hydrochloride	0.001
L-Leucine	0.075	Vitamin A (acetate)	0.0001
L-Lysine hydrochloride	0.08746	Vitamin B12	0.0002
L-Methionine	0.015	α-Tocopherol phos. Na salt	0.00001
L-Phenylalanine	0.025	i-Inositol	0.002
L-Proline	0.03	Other Elements	g/L
L-Serine	0.01	Glucose	2
L-Threonine	0.04	Glutathione (reduced)	0.00005
L-Tryptophan	0.01	Methyl linoleate	0.00003
L-Tyrosine disodium salt dihydrate	0.05065	Phenol Red	0.01
L-Valine	0.05	Sodium Pyruvate	0.025
Inorganic Salts			
CuSO ₄ ·5H ₂ O	10X 10 ⁻⁶		
Fe (NO ₃) ₃ ·9H ₂ O	10X 10 ⁻⁶		
MgSO ₄ (anhydrous)	0.098		
MnCl ₂ ·4H ₂ O	10X 10 ⁻⁶		
KCl	0.4		
NaHCO ₃	2.2		
NaCl	6.8		
NaH ₂ PO ₄ (anhydrous)	0.14		
ZnSO ₄ ·7H ₂ O	20X 10 ⁻⁶		