

Ingredients of Schneider's Drosophila Medium

Cat.No.MG9859-S

Components	Molecular Weight	Concentration (mg/L)	mM
Amino Acids			
Glycine	75	250	3.3333333
L-Arginine	174	400	2.2988505
L-Aspartic acid	133	400	3.0075188
L-Cysteine	121	60	0.49586776
L-Cystine	240	100	0.41666666
L-Glutamic Acid	147	800	5.442177
L-Glutamine	146	1800	12.328767
L-Histidine	155	400	2.580645
L-Isoleucine	131	150	1.1450381
L-Leucine	131	150	1.1450381
L-Lysine hydrochloride	183	1650	9.016394
L-Methionine	149	800	5.3691278
L-Phenylalanine	165	150	0.90909094
L-Proline	115	1700	14.782609
L-Serine	105	250	2.3809524
L-Threonine	119	350	2.9411764
L-Tryptophan	204	100	0.49019608
L-Tyrosine	181	500	2.762431
L-Valine	117	300	2.5641026
beta-Alanine	89	500	5.6179776
Inorganic Salts			
Calcium Chloride (CaCl ₂) (anhyd.)	111	600	5.4054055
Magnesium Sulfate (MgSO ₄) (anhyd.)	120	1806.9	15.0575

Potassium Chloride (KCl)	75	1600	21.333334
Potassium Phosphate monobasic (KH ₂ PO ₄)	136	450	3.3088236
Sodium Bicarbonate (NaHCO ₃)	84	400	4.7619047
Sodium Chloride (NaCl)	58	2100	36.206898
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142	701.1	4.9373236
Other Components			
Alpha-Ketoglutaric acid	146	200	1.369863
D-Glucose (Dextrose)	180	2000	11.111111
Fumaric acid	116	100	0.86206895
Malic acid	134	100	0.74626863
Succinic acid	118	100	0.84745765
Trehalose	342	2000	5.8479533
Yeastolate		2000	Infinity
Penicillin		100U/mL	
Streptomycin		100ug/mL	