

Composition of Insect Media (mg/l)

Component	Grace	Schneider Drosophila revised
Total Weight without NaHCO ₃ , without CaCl ₂	46,460	25,750
Anorganic Salts		
CaCl ₂ anhydrous	1000	600
KCl	2240	1600
KH ₂ PO ₄		450
MgCl ₂ .6H ₂ O	2280	
MgSO ₄ .7H ₂ O	2780	3700
NaCl		2100
NaHCO ₃	350	400
Na ₂ HPO ₄		700
NaH ₂ PO ₄	1008	
Amino acids		
(beta)-Alanine	200	500
L-Alanine	225	
L-Arginine		600
L-Arginine.HCl	700	
L-Aspartic	350	
L-Aspartic acid	350	400
L-Cystine		60
L-Cystine.2HCl	27.2	21.7
L-Glutamine	600	1800
L-Glutamic adic	600	800
Glycine	650	250
L-Histidine	2500	400
L-Isoleucine	50	150
L-Leucine	75	150
L-Lysine.HCl	625	1650
L-Methionine	50	150
L-Phenylalanine	150	
L-Proline	350	1750
L-Serine	1100	250
L-Threonine	175	350
L-Tryptophan	100	100
L-Tyrosine	50	500
L-Valine	100	300

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Vitamins		
4-Aminobenzoic acid	0.02	
Biotin	0.01	
Choline chloride	0.2	
Folic acid	0.02	
i-Inositol	0.02	
Nicotinic acid	0.02	
Ca Pantothenate	0.02	
Pyridoxine.HCl	0.02	
Riboflavin	0.02	
Thiamine.HCl	0.02	
Other Components		
Malic acid	670	60
Succinic acid	670	600
Fructose	400	
Fumaric acid	55	60
Glucose	700	2000
Yeast extract		2,000
(alpha)-Ketoglutaric acid	370	350
Sucrose	26,680	
(alpha)-Trehalose		2000