



Comparative Formulation

Grace's Insect Media

 Powdered Media	GIP05	GIP06
Amino Acids	mg/L	mg/L
Glycine	650.0000	650.0000
L-Alanine	225.0000	225.0000
L-Arginine, Hydrochloride	700.0000	700.0000
L-Asparagine, Anhydrous	350.0000	350.0000
L-Aspartic Acid	350.0000	350.0000
L-Cystine, Dihydrochloride	28.6800	28.6800
L-Glutamic Acid	600.0000	600.0000
L-Glutamine	600.0000	600.0000
L-Histidine, Anhydrous	2500.0000	2500.0000
L-Isoleucine	50.0000	50.0000
L-Leucine	75.0000	75.0000
L-Lysine, Hydrochloride	625.0000	625.0000
L-Methionine	50.0000	50.0000
L-Phenylalanine	150.0000	150.0000
L-Proline	350.0000	350.0000
L-Serine	550.0000	550.0000
L-Threonine	175.0000	175.0000
L-Tryptophan	100.0000	100.0000
L-Tyrosine, Disodium, Dihydrate	62.0000	62.0000
L-Valine	100.0000	100.0000
β-Alanine	200.0000	200.0000

 Powdered Media	GIP05	GIP06
Inorganic Salts		
	mg/L	mg/L
Calcium Chloride, Anhydrous	750.0000	500.0000
Magnesium Chloride, Anhydrous	1070.0000	1070.0000
Magnesium Sulfate, Anhydrous	1360.0000	1360.0000
Potassium Chloride	4100.0000	2800.0000
Sodium Phosphate, Monobasic, Monohydrate	1013.0000	1013.0000
Other Components		
	mg/L	mg/L
a-Ketoglutaric Acid	370.0000	370.0000
D-Fructose	400.0000	400.0000
D-Glucose, Anhydrous	700.0000	700.0000
FUMARIC ACID	55.0000	55.0000
L-Malic Acid	670.0000	670.0000
LACTALBUMIN PEPTONE		3330.0000
Sucrose	26680.0000	26680.0000
Yeast Extract		3330.0000
Vitamins		
	mg/L	mg/L
Biotin	0.0100	0.0100
Choline Chloride	0.2000	0.2000
D-Calcium Pantothenate	0.0200	0.0200
Folic Acid	0.0200	0.0200
Myo-Inositol	0.0200	0.0200
Nicotinic Acid	0.0200	0.0200
Para-Aminobenzoic Acid	0.0200	0.0200
Pyridoxine, Hydrochloride	0.0200	0.0200
Riboflavin	0.0200	0.0200
Succinic Acid	60.0000	60.0000
Thiamine, Hydrochloride	0.0200	0.0200



Liquid Media

GIL01

GIL02

mg/L

mg/L

Potassium Chloride

4100.0000

Amino Acids

mg/L

mg/L

Glycine

650.0000

650.0000

L-Alanine

225.0000

225.0000

L-Arginine, Hydrochloride

700.0000

700.0000

L-Asparagine, Anhydrous

350.0000

350.0000

L-Aspartic Acid

350.0000

350.0000

L-Cystine, Dihydrochloride

28.6800

28.6800

L-Glutamic Acid

600.0000

600.0000

L-Glutamine

600.0000

600.0000

L-Histidine, Anhydrous

2500.0000

2500.0000

L-Isoleucine

50.0000

50.0000

L-Leucine

75.0000

75.0000

L-Lysine, Hydrochloride

625.0000

625.0000

L-Methionine

50.0000

50.0000

L-Phenylalanine

150.0000

150.0000

L-Proline

350.0000

350.0000

L-Serine

550.0000

550.0000

L-Threonine

175.0000

175.0000

L-Tryptophan

100.0000

100.0000

L-Tyrosine, Disodium, Dihydrate

62.0000

62.0000

L-Valine

100.0000

100.0000

β-Alanine

200.0000

200.0000



Liquid Media

GIL01

GIL02

Inorganic Salts

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Other Components

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mg/L

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