

Grace's Insect Basal Medium (Vaughn Mod.) Hink's TNM-FH Medium (Supplemented Grace's Medium)

Catalog No.	13-200 1X, Liquid Grace's	13-100 1X, Liquid Hink's
Inorganic Salts	mg/L	mg/L
CaCl ₂ (anhydrous)	750.00	750.00
KCl	3720.00	2220.00
MgCl ₂ (anhydrous)	1068.00	1068.00
MgSO ₄ (anhydrous)	1358.00	1358.00
NaH ₂ PO ₄ • H ₂ O	1008.00	1008.00
NaHCO ₃	350.00	350.00
Amino Acids		
β-Alanine	200.00	200.00
L-Alanine	225.00	225.00
L-Arginine • HCl	700.00	700.00
L-Asparagine • H ₂ O	350.00	350.00
L-Aspartic acid	350.00	350.00
L-Cystine • 2HCl	25.00	25.00
L-Glutamic acid	600.00	600.00
L-Glutamine	600.00	600.00
Glycine	650.00	650.00
L-Histidine	2500.00	2500.00
L-Isoleucine	50.00	50.00
L-Leucine	75.00	75.00
L-Lysine • HCl	625.00	625.00
L-Methionine	50.00	50.00
L-Phenylalanine	150.00	150.00
L-Proline	350.00	350.00
DL-Serine	1100.00	1100.00
L-Threonine	175.00	175.00
L-Tryptophan	100.00	100.00
L-Tyrosine	50.00	50.00
L-Valine	100.00	100.00
Vitamins		
Biotin	0.01	0.01
D-Calcium pantothenate	0.02	0.02
Choline chloride	0.20	0.20
Folic acid	0.02	0.02
i-Inositol	0.02	0.02
Nicotinic acid	0.02	0.02
Para-Aminobenzoic acid	0.02	0.02
Pyridoxine • HCl	0.02	0.02
Riboflavin	0.02	0.02
Thiamine • HCl	0.02	0.02

Other	mg/L	mg/L
α-Ketoglutaric acid	370.00	370.00
D-Glucose	700.00	700.00
D-Fructose	400.00	400.00
Fumaric acid	55.00	55.00
L-Malic acid	670.00	670.00
Succinic acid	60.00	60.00
Sucrose	26680.00	26680.00
Lactalbumin hydrolysate	--	3333.00
UF Yeast Extract	--	3333.00
Add		
NaHCO ₃		
Powder (g/L)	--	--
7.5% Solution (mL/L)	--	--
Specifications		
pH	6.3 ± 0.3	6.3 ± 0.2
Osmolality (mOsm/kg)	355 ± 15	370 ± 20