



Enabling the Proteomics Revolution

Technical Data Sheet

TNM-FH Insect Cell Culture Medium

Catalog number: med -10001, 1 liter

DESCRIPTION

BioCarta's Orbigen brand TNM -FH insect medium is based on Grace's original formulations supplemented with lactab lumin hydrolysate (LAH, 3330mg/L), yeastolate (3300mg/L), gentamicin (50mg/L), FBS (10%), and proprietary trace metals.

STORAGE

Store at 4°C

FORMULATION

The Grace's medium formulation is as followed (All components measured in mg/L)

INORGANIC SALTS

Calcium chloride dihydrate	1324.600
Potassium chloride	2240.000
Magnesium chloride anhydrous	1067.860
Magnesium sulfate anhydrous	1357.670
Sodium bicarbonate	350.000
Sodium phosphate monobasic monohydrate	1013.000

VITAMINS

Biotin	0.010
D-Calcium pantothenate	0.020
Choline chloride	0.200
Folic acid	0.020
Myo-inositol	0.020
Niacin	0.020
PABA	0.020
Pyridoxine HCl	0.020
Riboflavin	0.020
Thiamine HCl	0.020

AMINO ACIDS

β-Alanine	200.000
L-Alanine	225.000
L-Arginine HCl	700.000
L-Asparagine monohydrate	397.730
L-Aspartic acid	350.000
L-Cystine 2HCl	28.680
L-Glutamic acid	600.000
L-Glutamine	600.000
Glycine	650.000
L-Histidine freebase	2500.000

L-Isoleucine	50.000
L-Leucine	75.000
L-LysineHCl	625.000
L-Methionine	50.000
L-Phenylalanine	150.000
L-Proline	350.000
DL-Serine	1100.000
L-Threonine	175.000
L-Tryptophan	100.000
L-Tyrosine2Nadihydrate	72.630
L-Valine	100.000
OTHER	
D-Fructose	400.000
Fumaricacid	55.000
Dextrose	700.000
α -Ketoglutaricacid	370.000
L-Malicacid	670.000
Succinicacid	60.000
D+Sucrose	26680.000

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