

Grace's Insect Medium

Description

The Grace's insect medium was originally developed to culture insect cells including SF9 and SF21 cells. Moreover it supports a broad range of lepidopteran cells.

Liquid Media

Grace's Insect Medium⁽²⁾
without L-Glutamine
with 0.35 g/L NaHCO₃ 500 ml P04-81500

Grace's Insect Medium⁽²⁾
with L-Glutamine
with 0.35 g/L NaHCO₃ 500 ml P04-82500

Powder Media

Grace's Insect Medium⁽¹⁾
without L-Glutamine 10 L P03-9010
without NaHCO₃ 50 L P03-9050

Grace's Insect Medium⁽¹⁾
with L-Glutamine 10 L P03-9110
without NaHCO₃ 50 L P03-9150

Composition

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H ₂ O	1,324.6
	Potassium chloride	2,240.00
	Magnesium chloride x 6H ₂ O	2,278.86
	Magnesium sulfate dried di-Sodium hydrogen phosphate	1,939.81 876.92
Other Components	DL-Malic acid	670.00
	Succinic acid	60.00
	DL-Malic acid	400.00
	Fumaric acid	55.00
	D(+)-Glucose anhydrous	700.00
	α-Ketoglutaric acid sodium salt	425.66
	D-Sucrose	26,680.00
Amino acids	β-Alanine	200.00
	L-Alanine	200.00
	L-Arginine x HCl	700.00
	L-Asparagine x H ₂ O	350.00
	L-Aspartic acid	350.00
	L-Cystine	19.18
	L-Glutamine	600.00
	L-Glutamic acid	600.00
	Glycine	650.00
	L-Histidine Base	2,500.00
	L-Isoleucine	50.00
	L-Leucine	75.00
	L-Lysine x HCl	625.00
	L-Methionine	50.00
	L-Phenylalanine	150.00
	L-Proline	350.00
	L-Serine	550.00
	L-Threonine	175.00
	L-Tryptophan	100.00
L-Tyrosine	50.00	
L-Valine	100.00	
Vitamins	p-Aminobenzoic acid	0.02
	D(+)-Biotin	0.01
	D-Ca-Pantothenate	0.02
	Choline chloride	0.20
	Folic acid	0.02
	myo-Inositol	0.02
	Nicotinamide	0.02
	Pyridoxine x HCl	0.02
	Riboflavin	0.02
	Thiamine x HCl	0.02

(1) usually on stock, (2) minimum order 10 l, (3) available on request