

## IPL-41 Insect Cell Medium

### Composition

	Components	mg/L
<b>Inorganic Salts</b>	Ammonium heptamolybdate x 4H <sub>2</sub> O	0.04
	Calcium chloride x 2H <sub>2</sub> O	662.31
	Cobalt(II) chloride x 6H <sub>2</sub> O	0.05
	Copper chloride x 2H <sub>2</sub> O	0.20
	Iron(II) sulfate x 7H <sub>2</sub> O	0.55
	Magnesium sulfate dried	1311.40
	Manganese chloride x 4H <sub>2</sub> O	0.02
	Potassium chloride	1200.00
	Sodium chloride	2850.00
	Sodium dihydrogen phosphate x H <sub>2</sub> O	1160.00
	Zinc chloride	0.04
	<b>Other Components</b>	Fumaric acid
D(+)-Glucose anhydrous		2500.00
α-Ketoglutaric acid sodium salt		34.05
DL-Malic acid		53.60
D-Maltose x H <sub>2</sub> O		1052.58
Succinic acid		4.80
Sucrose		1650.00
<b>Amino acids</b>	β-Alanine	300.00
	L-Arginine x HCl	800.00
	L-Aspartic acid	1300.00
	L-Asparagine x H <sub>2</sub> O	1477.14
	L-Cystine	100.00
	L-Glutamine	1000.00
	L-Glutamic acid	1500.00
	Glycine	200.00
	L-Histidine Base	200.00
	L-Hydroxyproline	800.00
	L-Isoleucine	750.00
	L-Leucine	250.00
	L-Lysine x HCl	700.00
	L-Methionine	1000.00
	L-Phenylalanine	1000.00
	L-Proline	500.00
	L-Serine	200.00
L-Threonine	200.00	
L-Tryptophan	100.00	
L-Tyrosine	250.02	
L-Valine	500.00	
<b>Vitamins</b>	p-Aminobenzoic acid	0.32
	D(+)-Biotin	0.16
	D-Calcium pantothenate	0.008
	Choline chloride	20.00
	Folic acid	0.08
	myo-Inositol	0.40
	Nicotinic acid	0.16
	Nicotinamide	0.16
	Pyridoxine x HCl	0.40
	Riboflavin	0.08
	Thiamine x HCl	0.08
	Vitamine B12	0.24

### Description

IPL-41 is primarily used for the growth and maintenance of lepidopteran cells and for the propagation of viruses in these cells lines. The medium is also used for long time culture of baculo-virus infected spodotera cells.

### Liquid Media

IPL-41 Insect Medium<sup>(2)</sup>  
with L-Glutamine  
with 0.35 g/L NaHCO<sub>3</sub>      500 ml P04-85600

### Powder Media

IPL-41 Insect medium<sup>(1)</sup>  
without L-Glutamine      10 L      P03-9210  
without NaHCO<sub>3</sub>      50 L      P03-9250

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