

UAB "LT Biotech"

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Schneider's Drosophila Medium, Modified, with L-Glutamine LTLM-B31

The original purpose of Schneider's Drosophila Medium was to culture S2 cells of *Drosophila melanogaster* under in vitro conditions. However, when supplemented with 5 to 20% heat-inactivated fetal bovine serum, this medium has been observed to facilitate rapid growth of primary and established cultures of cells not only from *Drosophila* but also from various other dipteran species.

Applications:

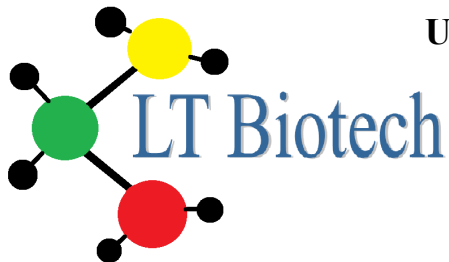
- Insect cell culture
- Transient or stable transfections
- Recombinant protein expression

Product Specifications

Appearance	Clear yellow liquid
CO2 concentration, optimum	0.0%
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at 4° C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Component	concentration mg/l
Amino Acids:	
Glycine	250.00
β-Alanine	500.00
L-Arginine HCl	483.81
L-Aspartic Acid	400.00
L-Cysteine HCl	78.00
L-Cystine 2 HCl	100.00
L-Glutamic Acid	800.00
L-Glutamine	1800.00
L-Histidine HCl H2O	540.00
L-Isoleucine	150.00
L-Leucine	150.00
L-Lysine HCl	1650.00
L-Methionine	800.00
L-Phenylalanine	150.00
L-Proline	1700.00
L-Serine	250.00
L-Threonine	350.00
L-Tryptophan	100.00
L-Tyrosine disodium salt	620.00
L-Valine	300.00



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Component	concentration mg/l
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	794.79
MgSO ₄ 7 H ₂ O	3700.00
Na ₂ HPO ₄	700.00
KCl	1600.00
KH ₂ PO ₄	450.00
NaCl	2100.00
NaHCO ₃	400.00
Other Components:	
α-Ketoglutaric acid	200.00
D-Glucose	2000.00
D-Trehalose	2000.00
Fumaric acid	100.00
L-Malic acid	100.00
Succinid acid	100.00
Yeast extract	2000.00

Precautions and Disclaimer

This product is for research use and further manufacturing only.