

Product Information

Schneider's Drosophila Medium, Modified, with L-Glutamine
Cat. No. SCH-1000ML (1000 ml)

General Information

Schneider's Drosophila Medium was originally developed for the *in vitro* culture of S2 cells of *Drosophila melanogaster*. When supplemented with 5 to 20% heat-inactivated fetal bovine serum Schneider's Drosophila medium has been found to support the rapid growth of both primary and established cultures of cells derived from *Drosophila* and several other dipteran species.

Applications

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

Product Specifications

Appearance	Clear yellow liquid
CO ₂ 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

Components	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 H ₂ O	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

Components	Concentration mg/L
L-Valine	300.00
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
Succinic acid	100.00
Yeast extract	2000.00

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Precautions and Disclaimer

This product is for research use and further manufacturing only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).