

UAB "LT Biotech"

J.K. 302303586, PVM kodas LT 100004741118,
Rugių 21-24, LT-08419, Vilnius Reg. Nr. 127918,
V.Į. Registrų centras Vilniaus filialas
Tel/fax +370 5 216 02 27

SILAC DMEM, high Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red LTLM-B33

The SILAC DMEM medium has been optimized for conducting labeling experiments in cell cultures using stable amino acid isotopes. These experiments are used to analyze protein expression through mass spectrometry (MS).

Applications:

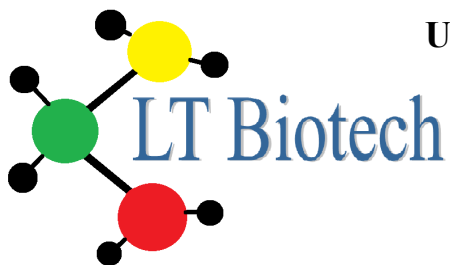
- Quantitative and functional proteomics
- Analyses of tissue regeneration
- Analyses of post-translational modifications
- MS (Mass Spectrometry)
- NMR (Nuclear Magnetic Resonance)

Product Specifications

Appearance	Clear solution
CO2 concentration, optimum	8.5 %
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	30.00
L-Cystine 2 HCl	62.57
L-Histidine HCl H2O	42.00
L-Isoleucine	105.00
L-Leucine	105.00
L-Methionine	30.00
L-Phenylalanine	66.00
L-Serine	42.00
L-Threonine	95.00
L-Tryptophan	16.00
L-Tyrosine 2 Na 2 H2O	103.79
L-Valine	94.00
Vitamins:	
Choline chloride	4.00
D-Calcium Pantothenate	4.00
Folic Acid	4.00
myo-Inositol	7.20



UAB "LT Biotech"

J.K. 302303586, PVM kodas LT 100004741118,
Rugių 21-24, LT-08419, Vilnius Reg. Nr. 127918,
V.Į. Registrų centras Vilniaus filialas
Tel/fax +370 5 216 02 27

Component	concentration mg/l
Nicotinamide	4.00
Pyridoxal HCl	4.00
Riboflavin	0.40
Thiamine HCl	4.00
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	265.00
Fe (NO ₃) ₃ 9 H ₂ O	0.10
KCl	400.00
MgSO ₄ 7 H ₂ O	200.00
NaCl	6400.00
NaHCO ₃	3700.00
NaH ₂ PO ₄ 2 H ₂ O	141.73
Other Components:	
D-Glucose	4500.00

Precautions and Disclaimer

This product is for research use and further manufacturing only.