

UAB "LT Biotech"

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SILAC RPMI 1640, w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red LTLM-B34

The SILAC RPMI medium has been designed and optimized for labeling experiments that involve the use of stable amino acid isotopes in cell culture for the purpose of analyzing protein expression through mass spectrometry (MS).

Applications:

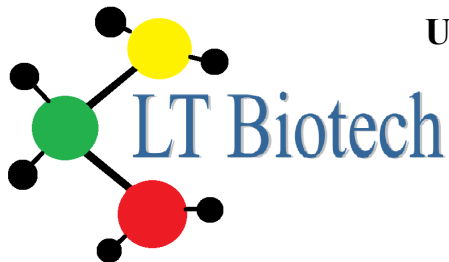
- Quantitative and functional proteomics
- Analyses of tissue regeneration
- Analyses of post-translational modifications
- MS (Mass Spectrometry)
- NMR (Nuclear Magnetic Resonance)

Product Specifications

Appearance	Clear solution
CO2 concentration, optimum	4.5 %
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	10.00
L-Asparagine H2O	56.82
L-Aspartic Acid	20.00
L-Cystine 2HCl	65.20
L-Glutamic Acid	20.00
L-Histidine HCl H2O	20.27
L-Hydroxy-L-Proline	20.00
L-Isoleucine	50.00
L-Leucine	50.00
L-Methionine	15.00
L-Phenylalanine	15.00
L-Proline	20.00
L-Serine	30.00
L-Threonine	20.00
L-Tryptophan	5.00
L-Tyrosine 2Na 2H2O	28.83
L-Valine	20.00
Vitamins:	
p-Amino Benzoic Acid	1.00
D-Biotin	0.20



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Component	concentration mg/l
Choline Chloride	3.00
D-Calcium Pantothenate	0.25
Folic Acid	1.00
myo-Inositol	35.00
Nicotinamide	1.00
Pyridoxine HCl	1.00
Riboflavin	0.20
Thiamine HCl	1.00
Vitamin B12	0.005
Inorganic Salts:	
Ca(NO ₃) ₂ 4 H ₂ O	100.00
KCl	400.00
MgSO ₄ 7H ₂ O	100.00
NaCl	6000.00
NaHCO ₃	2000.00
Na ₂ HPO ₄	800.00
Other Components:	
D-Glucose	2000.00
L-Glutathione Reduced	1.00

Precautions and Disclaimer

This product is for research use and further manufacturing only.