

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

General information

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

Amino Acids

Glycine	30.00
L-Cystine 2 HCl	62.57
L-Histidine HCl H ₂ O	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 H ₂ O	103.79
L-Valine	94.00

Vitamins

Choline chloride	4.00
D-Calcium Pantothenate	4.00
Folic Acid	4.00
myo-Inositol	7.20
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
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Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTLM-B33	500 ml

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