

Leibovitz's L-15 Medium, w/o L-Glutamine

General information

Leibovitz's L-15 Medium was initially developed for use in CO₂-free environments and therefore does not include sodium bicarbonate in its formulation. Instead, the medium's pH is buffered through the use of salts, freebase amino acids, and galactose as a substitute for glucose. This helps to maintain the physiological pH of the solution. Leibovitz's L-15 Medium is capable of supporting various cell lines, such as HEP-2 and LLC-MK2, as well as primary embryonic and human tissue cultures.

Reconstitution: Usually the medium is supplemented with 0.3 g/l L-glutamine (2 mM).

Product specifications

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

Formulation

Amino Acids

Glycine	200.00
L-Alanine	225.00
L-Arginine	500.00
L-Asparagine	250.00
L-Cysteine	120.00
L-Histidine	250.00
L-Isoleucine	125.00
L-Leucine	125.00
L-Lysine-HCl	93.70
L-Methionine	75.00
L-Phenylalanine	125.00
L-Serine	200.00
L-Threonine	300.00
L-Tryptophan	20.00
L-Tyrosine	300.00
L-Valine	100.00

Vitamins

Choline chloride	1.00
D-Calcium Pantothenate	1.00
Folic Acid	1.00
myo-Inositol	2.00
Nicotinamide	1.00
Pyridoxal HCl	1.00
Riboflavin	0.10
Thiamine Monophosphate HCl	1.00

Inorganic Salts

CaCl ₂ 2 H ₂ O	185.00
KCl	400.00
KH ₂ PO ₄ (anhydrous)	60.00
MgCl · 6H ₂ O	200.00
MgSO ₄ (anhydrous)	97.67
NaCl	8000.00
Na ₂ HPO ₄ (anhydrous)	190.00

Other Components

D-Galactose	900.00
Phenol Red·Na	11.00
Sodium Pyruvate	550.00

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTLM-B15	500 ml

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