

Product Information

Leibovitz's L-15 Medium, w/o L-Glutamine
 Cat. No. L15-XA (500 ml)

General Information

Leibovitz's L-15 Medium was originally formulated for use in CO₂-free systems and therefore does not contain sodium bicarbonate. Instead, the medium is buffered by salts, free base amino acids, and galactose substituted for glucose to help maintain physiological pH control.

Leibovitz L-15 Medium supports existing cell lines, such as HEP-2 and LLC-MK2, as well as primary embryonic and primary human tissue.

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

Product Specifications

Appearance	Clear red orange solution
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at +4°C and use within 6 to 8 weeks.
Shipping conditions	Ambient
CO ₂ concentration, optimum	0.0%

Formulation

Components	Concentration mg/L
Amino Acids:	
Glycine	200.00
L-Alanine	225.00
L-Arginine	500.00
L-Asparagine H ₂ O	284.01
L-Cysteine HCl H ₂ O	173.92
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

Components	Concentration mg/L
Folic Acid	1.00
myo-Inositol	2.00
Nicotinamide	1.00
Pyridoxine 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 6 H ₂ O	200.00
MgSO ₄ 7 H ₂ O	200.00
NaCl	8000.00
Na ₂ HPO ₄ (anhydrous)	190.00
Other Components:	
D-Galactose	900.00
Phenol Red Sodium Salt	11.00
Sodium Pyruvate	550.00

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Precautions and Disclaimer

The product is for research 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).