

【Product Name】

Name: Leibovitz's L-15 Medium, With L-Glutamine Without Sodium bicarbonate

Cat. No: C3070-0500

Specifications: 500ml

【Product Description】

Leibovitz's Medium was specifically designed to grow cells in a CO₂ free atmosphere. The standard sodium bicarbonate/CO₂ buffering system is replaced by combination of free basic amino acids, phosphate buffers and higher levels of galactose and sodium pyruvate. As a result, the medium does not require supplementation with sodium bicarbonate and can be used under conditions of free gaseous exchange with the atmosphere. The medium can be used to grow human tumor cells and embryonic cells and also established cell lines like HeLa and Hep-2. The medium is frequently used in diagnostic virology where tissue cell lines or strains need to be grown in closed systems. Leibovitz's medium obviates the need of frequent medium change.

Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

【Composition】

Ingredients	Mg/L
INORGANIC SALTS	
Calcium chloride dihydrate	185.000
Magnesium chloride hexahydrate	200.000

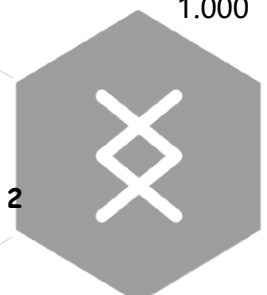
Magnesium sulphate anhydrous	97.720
Potassium chloride	400.000
Potassium phosphate, monobasic	60.000
Sodium chloride	8000.000
Sodium phosphate, dibasic anhydrous	190.120

AMINO ACIDS

DL-Alpha alanine	450.000
Glycine	200.000
L-Arginine (free base)	500.000
L-Asparagine	250.000
L-Cysteine (free base)	120.000
L-Glutamine	300.000
L-Histidine (free base)	250.000
L-Isoleucine	250.000
L-Leucine	125.000
L-Lysine hydrochloride	94.000
L-Methionine	75.000
L-Phenylalanine	125.000
L-Serine	200.000
L-Threonine	300.000
L-Tryptophan	20.000
L-Tyrosine Disodium Salt	276.160
L-Valine	100.000

VITAMINS

Choline chloride	1.000
D-Ca-Pantothenate	1.000
Folic acid	1.000
Nicotinamide	1.000
Pyridoxine hydrochloride	1.000



Riboflavin-5-phosphate, Na	0.100
Thiamine monophosphate	1.000
i-Inositol	2.000

OTHERS

D-Galactose	900.000
Phenol red Sodium Salt	11.000
Sodium pyruvate	550.000

【Storage and Stability】

Leibovitz's L-15 Medium, With L-Glutamine Without Sodium bicarbonate should be kept 2-8°C. The product is light -sensitive and therefore should not be left in the light. When stored in the dark under ideal conditions, the product is stable until the expiry date.

As with any other liquid media formulations, deterioration of liquid media may be recognized by any of the following characteristics, among others including:

- (a). Color Change;
- (b). Presence of clumping/flocculent debris/ granulation/ particulates\ precipitates or sediments;
- (c). Insolubility;

(d). And/or decrease in expected performance parameters.

Any material described above should not be used and therefore discarded.

【Procedure】

- 1.Take a bottle from the defined storage conditions at 2-8°C and read the label.
- 2.Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol.
- 3.Using aseptic/sterile technique under a laminar-flow culture hood, work according to established protocols.
- 4.Antibiotics may be added if desired.

【Quality Control】

Leibovitz's L-15 Medium, With L-Glutamine Without Sodium bicarbonate is tested for sterility, pH, Osmolality and endotoxin concentrations. In addition, each batch is tested for cell growth

【Precaution and Disclaimer】

For research use only, not for clinical diagnosis and treatment.

