

## Leibovitz L15 Medium w/o L-Glutamine

**CAT N°** : L0300

**Theoretical pH** :  $7.6 \pm 0.3$

**Osmolality** : 320 mOsm/kg  $\pm 10 \%$

**Colour** : red solution

**Storage conditions** : +2°C to +8°C

**Shelf life** : 24 months

**Sterility tests :**

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

**Endotoxin** : < 1 EU/ml

**Cell growth test :**

Medium tested for the ability to support L929 or MRC-5 cell growth.

**Composition** : Displayed on website; also available on request.

**Recommended use :**

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

**Application :**

Leibovitz L-15 Medium was originally developed for use in carbon dioxide (CO<sub>2</sub>) free systems without Sodium Bicarbonate buffer. This medium is buffered by its complement of salts, free base amino acids and galactose substituted for glucose to help maintain physiological pH control.

When properly supplemented, Leibovitz L-15 Medium supports established cell lines, such as HEp-2, L929, MRC-5, and LLC-MK2, as well as primary explants of embryonic and adult human tissue.

**Utilisation :**

Supplements, such as antibiotics, should be added as sterile supplements to the medium. Storage conditions and shelf-life of supplemented product will be affected by the nature of the supplements. Sterile serum should not be refiltered before or after being added to sterile medium because growth promoting capacity may be reduced upon re-filtration.

Add 10.25 ml/l of L-Glutamine 200 mM (CAT N° : X0550) before using this medium.

**Indications of deterioration :**

Medium should be clear and free of particulate and flocculent material. Do not use if medium is cloudy or contains precipitate.

Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.

**Product code : L0300**

**Product name : Leibovitz L15 Medium w/o L-Glutamine**

CAS Number	Components	Quantity in g/l
10035-04-8	Calcium Chloride Dihydrate	0.18500000
7791-18-6	Magnesium Chloride Hexahydrate	0.20000000
7487-88-9	Magnesium Sulfate Anhydrous	0.09767000
7447-40-7	Potassium Chloride	0.40000000
7778-77-0	Potassium Phosphate Monobasic Anhydrous	0.06000000
7647-14-5	Sodium Chloride	8.00000000
7558-79-4	Sodium Phosphate Dibasic Anhydrous	0.19000000
56-40-6	Glycine	0.20000000
56-41-7	L-Alanine	0.45000000
74-79-3	L-Arginine Free Base	0.50000000
70-47-3	L-Asparagine Anhydrous	0.25000000
7048-04-6	L-Cysteine Monohydrochloride Monohydrate	0.15717600
71-00-1	L-Histidine	0.25000000
73-32-5	L-Isoleucine	0.25000000
61-90-5	L-Leucine	0.12500000
657-27-2	L-Lysine Monohydrochloride	0.07500000
63-68-3	L-Methionine	0.15000000
63-91-2	L-Phenylalanine	0.25000000
56-45-1	L-Serine	0.20000000
72-19-5	L-Threonine	0.60000000
73-22-3	L-Tryptophan	0.02000000
60-18-4	L-Tyrosine	0.30000000
72-18-4	L-Valine	0.20000000
67-48-1	Choline Chloride	0.00100000
137-08-6	D-Ca Pantothenate	0.00100000
146-14-5	Flavin Adenine Dinucleotide Disodium Salt	0.00010000
59-30-3	Folic Acid	0.00100000
87-89-8	Myo-Inositol	0.00200000
98-92-0	Nicotinamide (Nicotinic acid amide)	0.00100000
58-56-0	Pyridoxine Hydrochloride	0.00100000
67-03-8	Thiamine Hydrochloride	0.00100000
59-23-4	D-Galactose	0.90000000
34487-61-1	Phenol Red Sodium Salt	0.01100000
113-24-6	Sodium Pyruvate	0.55000000
WATER		985.42105400