

Leibovitz L15 Medium
w/ L-Glutamine**CAT N°** : P0350**Theoretical pH** : 7.7 ± 0.3 **Osmolality** : 320 mOsm/kg \pm 10%**Storage conditions** : Store dry powder medium at +2°C to +8°C
Store hydrated medium at +2°C to +8°C, protected from light**Shelf life** : 36 months**Endotoxin** : < 1 EU/ml**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 the product in a dry area
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)
- Protect the product from any form of humidity
- Use, in one time, after opening, the entire quantity of product of the container, without making a concentrated solution (to avoid the formation of precipitates). If it is not possible, close the container immediately after sampling the quantity of powder required.
- Supplements can be added prior to sterile filtration of the medium or aseptically introduced to sterile medium (respect the final concentration of the media). The nature of the supplements may affect storage conditions and shelf life of the medium.

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 (CO₂) 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.

Preparation instructions :

- 1) Measure out 90% of final required volume of water. Water temperature should be 15-30°C.
- 2) While gently stirring the water, add the powdered medium (14.773 g/l). Stir until dissolved. Do not heat.
- 3) Rinse original package with a small amount of water to remove all traces of powder. Add to solution in step 2.
- 4) While stirring, adjust the pH of the medium at the desired pH, it may decrease during filtration. The use of 1 N HCl or 1 N NaOH is recommended
- 5) Add additional water to bring the solution to final volume.
- 6) Sterilize immediately by filtration using a membrane with a porosity of 0.22 microns.
- 7) Aseptically dispense medium into sterile container.

Indications of deterioration :

Dry powder medium should be free flowing. Do not use if powder caked. Prepared medium should be cleared of particulates and flocculent material. Do not use if liquid medium is cloudy or contains precipitate. Other evidence of deterioration may include colour change or degradation of physical performance characteristics.

Product code : P0350

Product name : Leibovitz L 15 Medium w/ L-Glutamine

CAS Number	Components	Quantity in g/l
10035-04-8	Calcium Chloride Dihydrate	0.18500000
7786-30-3	Magnesium Chloride Anhydrous	0.09366000
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
56-41-7	L-Alanine	0.45000000
56-40-6	Glycine	0.20000000
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
56-85-9	L-Glutamine	0.30000000
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		985.22739400