

**Catalog Number:**

M40650

**Size:**

500 mL

## PRODUCT DESCRIPTION

Leibovitz's L-15 Medium was formulated for use in a carbon dioxide (CO<sub>2</sub>) free environment. It contains no sodium bicarbonate, and is buffered by phosphates, free base amino acids, and galactose instead. L-15 supports the proliferation of many established cell lines and primary cells. L-15 includes including versions with HEPES buffer for a more effective buffering capacity.

Each lot of L-15 is prepared from a powdered base medium and tissue culture-grade water. Representative samples of each lot of L-15 are tested to confirm the absence of bacterial or fungal contamination using methods adapted from the current U.S. Pharmacopeia. L-15 is manufactured in our ISO 9001:2015 certified facility.

For the specific media formulation, please refer to the Media Formulation section of the datasheet.

## STORAGE AND HANDLING

L-15 is supplied in gamma-irradiated, sterile PETG or PETE bottles. We recommend that L-15 be stored at a temperature of 2-8 °C, and protected from strong light. Always use aseptic techniques when handling and supplementing L-15.

## PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

## LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.

# MEDIA FORMULATION

## INORGANIC SALTS mg/L

Calcium Chloride • 2H <sub>2</sub> O	185.45
Magnesium Chloride • 6H <sub>2</sub> O	200.00
Magnesium Sulfate (Anhydr.)	97.67
Potassium Chloride	400.00
Potassium Phosphate, Monobasic (Anhydr.)	60.00
Sodium Chloride	8000.00
Sodium Phosphate, Dibasic (Anhydr.)	190.00

## AMINO ACIDS mg/L

L-Alanine	225.00
L-Arginine	500.00
L-Asparagine	250.00
L-Cysteine	120.00
Glycine	200.00
L-Histidine	250.00
L-Isoleucine	125.00
L-Leucine	125.00
L-Lysine	75.00
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 mg/L

Choline Chloride	1.00
Folic Acid	1.00
myo-Inositol	2.00
Nicotinamide	1.00
D-Pantothenic Acid, Hemicalcium Salt	1.00
Pyridoxine • HCl	1.00
Riboflavin 5' Phosphate • Na <sub>2</sub> • H <sub>2</sub> O	0.10
Thiamine Monophosphate Chloride • 2H <sub>2</sub> O	1.00

## OTHER COMPONENTS mg/L

D-Galactose	900.00
Sodium Pyruvate	550.00