

### ★ Storage

Store at 2 -8 °C.

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- Leibovitz's L-15 Media

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

### ★ Shipping Condition

Ship at ambient

### ★ Introduction

Leibovitz's L-15 Medium was formulated to support the growth and proliferation of several cell lines in CO<sub>2</sub> free systems without a sodium bicarbonate supplement. Whereas most cell culture media is buffered by sodium bicarbonate, L-15 is buffered by its salts, free base amino acids and galatose, which is substituted for glucose. The buffering qualities of these components eliminate the need of a sodium bicarbonate supplement and allow it to be used under conditions of free gaseous exchange with the atmosphere.

### ★ Formulation

Amino Acids	mg/L
Glycine (C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> )	200.00
L-Alanine(C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> )	225.00
L-Arginine(C <sub>6</sub> H <sub>13</sub> N <sub>4</sub> O <sub>2</sub> )	500.00
L-Asparagine, Hydrochloride(C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> .HCl.H <sub>2</sub> O)	250.00
L-Cysteine, Hydrochloride, Mono(C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> .HCl.H <sub>2</sub> O)	173.98
L-Glutamine(C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> )	300.00
L-Histidine, Anhydrous(C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> )	250.00
L-Isoleucine(C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	250.00
L-Leucine(C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> )	125.00
L-Lysine, Hydrochloride(C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> .HCl)	93.88
L-Methionine(C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S)	75.00
L-Phenylalanine(C <sub>9</sub> H <sub>9</sub> NO <sub>2</sub> )	125.00

Amino Acids	mg/L
L-Serine(C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub> )	200.00
L-Threonine(C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub> )	300.00
L-Tryptophan(C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> )	20.00
L-Tyrosine, Disodium,Dihydrate(C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> .2H <sub>2</sub> O)	432.458
L-Valine(C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> )	100.00

Inorganic Salts	mg/L
Calcium Chloride, Anhydrous (CaCl <sub>2</sub> )	140.00
Magnesium Chloride(MgCl <sub>2</sub> )	93.70
Magnesium Sulfate, Anhydrous(MgSO <sub>4</sub> )	97.67
Potassium Chloride(KCl)	400.00
Potassium Phosphate, Monobasic, Anhydrous(KH <sub>2</sub> PO <sub>4</sub> )	60.00
Sodium Chloride(NaCl)	8000.00
Sodium Phosphate, Dibasic(NaH <sub>2</sub> PO <sub>4</sub> .2H <sub>2</sub> O)	190.00

Vitamins	mg/L
Choline Chloride(C <sub>5</sub> H <sub>14</sub> ClNO)	1.00
D-Calcium Pantothenate(C <sub>18</sub> H <sub>32</sub> CaN <sub>2</sub> O <sub>10</sub> )	1.00
Folic Acid(C <sub>19</sub> H <sub>19</sub> N <sub>7</sub> O <sub>6</sub> )	1.00
Myo-Inositol(C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	2.00
Niacinamide(C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O)	1.00
Pyridoxal, Hydrochloride(C <sub>8</sub> H <sub>9</sub> NO <sub>3</sub> .HCl)	1.00
Thiamine, Hydrochloride(C <sub>12</sub> H <sub>17</sub> ClN <sub>4</sub> OS.HCl)	1.00

Other Components	mg/L
D-Galactose(C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	900.00
Phenol Red, Sodium Salt(C <sub>19</sub> H <sub>13</sub> NaO <sub>5</sub> S)	10.62
Pyruvic Adic, Sodium Salt(C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub> )	550.00
Riboflavin 5'-Phosphate, Sodium(C <sub>17</sub> H <sub>20</sub> N <sub>4</sub> NaO <sub>9</sub> P.xH <sub>2</sub> O)	110.00