

NIDB Medium 11

Leibovitz's L-15 Medium

- [+] L-Glutamine**
- [+] Phenol red**
- [+] Sodium Pyruvate**
- [-] Glucose**
- [-] HEPES**
- [-] Sodium bicarbonate**

0.1 μ m sterile filtered

*Leibovitz's L-15 medium is commercially available from ThermoFisher –
Gibco Cat No.: 11415

Leibovitz's L-15 medium formulation

Component	Concentration (mg/L)	mM
Amino acid		
Glycine	200	2.6667
L-Alanine	225	2.5281
L-Arginine	500	2.8736
L-Asparagine	250	1.8939
L-Cysteine	120	0.9917
L-Glutamine	300	2.0548
L-Histidine	250	1.6129
L-Isoleucine	250	1.9084
L-Leucine	125	0.9542
L-Lysine	75	0.5137
L-Methionine	75	0.5034
L-Phenylalanine	125	0.7576
L-Serine	200	1.9048
L-Threonine	300	2.5210
L-Tryptophan	20	0.0980
L-Tyrosine	300	1.6575
L-Valine	100	0.8547
Inorganic salts		
Calcium Chloride (CaCl ₂) (anhyd.)	140	1.2613
Magnesium Chloride (anhydrous)	93.7	0.9863
Magnesium Sulfate (MgSO ₄) (anhyd.)	97.67	0.8139
Potassium Chloride (KCl)	400	5.3333
Potassium Phosphate monobasic (KH ₂ PO ₄)	60	0.4412
Sodium Chloride (NaCl)	8000	137.9310
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	190	1.3380
Vitamins		
Choline chloride	1	0.0071
D-Calcium pantothenate	1	0.0021
Folic Acid	1	0.0023
Niacinamide	1	0.0082
Pyridoxine hydrochloride	1	0.0049
Riboflavin 5'-phosphate Na	0.1	0.0002
Thiamine monophosphate	1	0.0023
i-Inositol	2	0.0111
Other		
D+ Galactose	900	5.0000
Phenol Red	10	0.0266
Sodium Pyruvate	550	5.0000