

Leibovitz's L-15 Medium

Description

L-15 contains no sodium hydrogen carbonate and no bicarbonate, because it is buffered already by a high concentration of amino acids. The L-15 medium supports the growth of established cells like Hep-2, but also human nerve cells and primary tissue explants. With 10 % tryptose phosphate broth it is also ideally suited for the cultivation of insect cell lines.

Composition

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H ₂ O	185.44
	Magnesium chloride x 6H ₂ O	200.00
	Magnesium sulfate dried	139.53
	Potassium chloride	400.00
	Potassium dihydrogen phosphate	60.00
	Sodium chloride	8,000.00
	di-Sodium hydrogen phosphate	190.00
Other Components	D(+)-Galactose anhydrous	900.00
	Hepes	5,958.00
	Phenol red	10.00
	Sodium pyruvate	550.00
Amino acids	L-Alanine	225.00
	L-Arginine Base	500.00
	L-Asparagine x H ₂ O	250.00
	L-Cysteine	120.00
	L-Glutamine	300.00
	Glycine	200.00
	L-Histidine Base	250.00
	L-Isoleucine	250.00
	L-Leucine	125.00
	L-Lysine x HCl	93.75
	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	D-Calcium pantothenate	1.00
	Choline chloride	1.00
	Folic acid	1.00
	myo-Inositol	2.00
	Nicotinamide	1.00
	Pyridoxine x HCl	1.00
	Riboflavin-5'-phosphate sodium salt x 2H ₂ O	0.1075
	Thiamine monophosphate chloride x2 H ₂ O	1.00

When 5,958.00 mg/L HEPES is included there is only 7,500.00 mg/L sodium chloride.

Liquid Media

Leibovitz's L-15 Medium⁽¹⁾
without L-Glutamine
without NaHCO₃ 500 ml P04-27055

Leibovitz's L-15 Medium⁽¹⁾
with L-Glutamine
without NaHCO₃ 500 ml P04-27500

Leibovitz's L-15 Medium⁽¹⁾
with stab. Glutamine
without NaHCO₃ 500 ml P04-27050

Special Media

minimum order quantity: 20 x 500ml

Leibovitz's L-15 Medium⁽²⁾
without L-Glutamine
without Phenol red
without NaHCO₃ 500 ml P04-27054

Powder Media

Leibovitz's L-15 Medium⁽¹⁾
with L-Glutamine 10 L P03-1510
without NaHCO₃ 50 L P03-1550

Leibovitz's L-15 Medium⁽¹⁾
with L-Glutamine
with 25 mM Hepes 10 L P03-1610
without NaHCO₃ 50 L P03-1650

(1) usually on stock, (2) minimum order 10 l, (3) available on request