Quality Biological

Formulations

LEIBOVITZ' L-15 MEDIUM

Cat.# 112-029

COMPONENTS	mg / L
Inorganic Salts	
$CaCl_2 \cdot 2H_2O$	185.45
KCl	400.00
KH_2PO_4	60.00
$MgCl_2$ (anhydrous)	93.65
$MgSO_4$ (anhydrous)	97.67
NaCl	8000.00
Na_2HPO_4 (anhydrous)	190.00
Other Components	
D-(+) Galactose	900.00
Phenol red·Na	10.20
Sodium pyruvate	550.00
Amino Acids	
DL-α-Alanine	450.00
L-Arginine	500.00
L-Asparagine	250.00
L-Cysteine	120.00
L-Glutamine	300.00*
Glycine	200.00
L-Histidine	250.00
DL-Isoleucine	250.00
L-Leucine	125.00
L-Lysine	75.00
DL-Methionine	150.00
DL-Phenylalanine	250.00
L-Serine	200.00
DL-Threonine	600.00
L-Tryptophan	20.00
L-Tyrosine	300.00
DL-Valine	200.00
Vitamins	
DL-Ca pantothenate	1.00
Choline chloride	1.00
Folic acid	1.00
i-Inositol	2.00

Nicotinamide	1.00
Pyridoxine•HCl	1.00
Riboflavin 5-phosphate•Na•$2H_2O$	0.103
Thiamine•PO_4 •$2H_2O$	1.00

*Omitted from preparation. Add L-glutamine (Cat.# 118-084-060) to a final concentration of 2.1mM prior to use.

References: Leibovitz, A., (1963) Amer. J. Hyg., **78**:173-180
Leibovitz, A., (1986) Cancer Genet. Cytogenet., **19**:11-19
Morton, H.J., (1970) In Vitro, **6**:89-108