caisson LABS

Formulations & Specifications

Dulbecco's Modified Eagle's/Ham's F-12 Medium 1:1 (DMEF)

Product Number DFP18-10X1LT

With L-glutamine, sodium pyruvate, and 15 mM HEPES.
Without sodium bicarbonate. Store at 2° to 8°C.

Components	mg/L
Biotin ($C_{10}H_{16}N_2O_3S$)	0.0035
Calcium Chloride, Anhydrous ($CaCl_2$)	116.6000
Choline Chloride ($C_5H_{14}ONCl$)	8.9800
Cupric Sulfate, Pentahydrate ($CuSO_4 . 5H_2O$)	0.0013
D-Calcium Pantothenate ($C_{18}H_{32}CaN_2O_{10}$)	2.2400
D-Glucose, Anhydrous ($C_6H_{12}O_6$)	3151.0000
Ferric Nitrate, Nonahydrate ($Fe(NO_3)_3.9H_2O$)	0.0500
Ferrous Sulfate, Heptahydrate ($FeSO_4.7H_2O$)	0.4170
Folic Acid ($C_{19}H_{19}N_7O_6$)	2.6500
Glycine ($C_2H_5NO_2$)	18.7500
HEPES ($C_8H_{18}N_2O_4S$)	3574.5000
Hypoxanthine, Sodium ($C_5H_3N_4O.Na$)	2.3900
L-Alanine ($C_3H_7NO_2$)	4.4500
L-Arginine, Hydrochloride ($C_6H_{14}N_4O_2 . HCl$)	147.5000
L-Asparagine, Monohydrate ($C_4H_8N_2O_3 . H_2O$)	7.5000
L-Aspartic Acid ($C_4H_7NO_4$)	6.6500
L-Cysteine, Hydrochloride, Monohydrate ($C_3H_7NO_2 . HCl . H_2O$)	17.5600
L-Cystine, Dihydrochloride ($C_6H_{12}N_2O4S_2 . 2HCl$)	31.2900
L-Glutamine ($C_5H_{10}N_2O_3$)	365.0000
L-Histidine, Hydrochloride, Monohydrate ($C_6H_9N_3O_2 . HCl . H_2O$)	31.4800
L-Isoleucine ($C_6H_{13}NO_2$)	54.4700
L-Leucine ($C_6H_{13}NO_2$)	59.0500
L-Lysine, Hydrochloride ($C_6H_{14}N_2O_2 . HCl$)	91.2500
L-Methionine ($C_5H_{11}NO_2S$)	17.2400
L-Phenylalanine ($C_9H_{11}NO_2$)	35.4800
L-Proline ($C_5H_9NO_2$)	17.2500
L-Serine ($C_3H_7NO_3$)	26.2500
L-Threonine ($C_4H_9NO_3$)	53.4500
L-Tryptophan ($C_{11}H_{12}N_2O_2$)	9.0200
L-Tyrosine, Disodium, Dihydrate ($C_9H_9NO_3Na_2.2H_2O$)	55.7900
L-Valine ($C_5H_{11}NO_2$)	52.8500
Linoleic Acid ($C_{18}H_{32}O_2$)	0.0420
Lipoic Acid (DL-Thiotic Acid) ($C_8H_{14}O_2S_2$)	0.1050
Magnesium Chloride, Anhydrous ($MgCl_2$)	28.6100
Magnesium Sulfate, Anhydrous ($MgSO_4$)	48.9300
Myo-Inositol ($C_6H_{12}O_6$)	12.6000
Niacinamide ($C_6H_6N_2O$)	2.0200
Phenol Red, Sodium Salt ($C_{19}H_{13}NaO_5S$)	8.1000
Potassium Chloride (KCl)	311.8000
Putrescine, Dihydrochloride ($C_4H_{12}N_2.2HCl$)	0.0810
Pyridoxine, Hydrochloride ($C_8H_{11}NO_3 . HCl$)	2.0310
Pyruvic Acid, Sodium Salt ($C_3H_3NaO_3$)	55.0000
Riboflavin ($C_{17}H_{20}N_4O_6$)	0.2190
Sodium Chloride (NaCl)	6995.5000
Sodium Phosphate Dibasic, Anhydrous (Na_2HPO_4)	70.9600
Sodium Phosphate, Monobasic, Monohydrate ($NaH_2PO_4 . H_2O$)	62.5000
Thiamine, Hydrochloride ($C_{12}H_{17}ClN_4OS . HCl$)	2.1700
Thymidine ($C_{10}H_{14}N_2O_5$)	0.3650
Vitamin B12 ($C_{63}H_{88}CoN_{14}O_{14}P$)	0.6800
Zinc Sulfate, Heptahydrate ($ZnSO_4 . 7H_2O$)	0.4320

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