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RPP12 FORMULATION

RPMI 1640 Medium

With L-Glutamine and 25mM HEPES.

Without Sodium Bicarbonate.

Store at 2° to 8°C.

Components	mg/L
Calcium Nitrate, Hydrate ($Ca(NO_3)_2 \cdot 4H_2O$)	69.49
Choline Chloride ($C_5H_{14}ONCl$)	3.000
D-Biotin ($C_{10}H_{16}N_2O_3S$)	0.200
D-Calcium Pantothenate ($C_{18}H_{32}CaN_2O_{10}$)	0.250
D-Glucose, Anhydrous ($C_6H_{12}O_6$)	2000.00
Folic Acid ($C_{19}H_{19}N_7O_6$)	1.000
Glutathione, Reduced ($C_{10}H_{17}N_3O_6S$)	1.000
Glycine ($C_2H_5NO_2$)	10.00
HEPES Buffer ($C_8H_{18}N_2O_4S$)	5958.00
L-Arginine, Hydrochloride ($C_6H_{14}N_4O_2 \cdot HCl$)	242.31
L-Asparagine, Monohydrate ($C_4H_8N_2O_3 \cdot H_2O$)	56.82
L-Aspartic Acid ($C_4H_7NO_4$)	20.00
L-Cystine, Dihydrochloride ($C_6H_{12}N_2O_4S_2 \cdot 2HCl$)	65.20
L-Glutamic Acid ($C_5H_9NO_4$)	20.00
L-Glutamine ($C_5H_{10}N_2O_3$)	300.00
L-Histidine, Hydrochloride, Monohydrate ($C_6H_9N_3O_2 \cdot HCl \cdot H_2O$)	20.26
L-Hydroxyproline ($C_5H_9NO_3$)	20.00
L-Isoleucine ($C_6H_{13}NO_2$)	50.00
L-Leucine (C6H13NO2)	50.00
L-Lysine, Hydrochloride ($C_6H_{14}N_2O_2 \cdot HCl$)	40.00
L-Methionine (($C_5H_{11}NO_2S$)	15.00
L-Phenylalanine ($C_9H_{11}NO_2$)	15.00
L-Proline ($C_5H_9NO_2$)	20.00
L-Serine ($C_3H_7NO_3$)	30.00
L-Threonine ($C_4H_9NO_3$)	20.00
L-Tryptophan ($C_{11}H_2N_{12}O_2$)	5.00
L-Tyrosine, Disodium, Dihydrate ($C_9H_9O_3Na_2 \cdot 2H_2O$)	28.83

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Components	mg/L
L-Valine ($C_5H_{11}NO_2$)	20.00
Magnesium Sulfate, Anhydrous ($MgSO_4$)	48.84
Myo-Inositol ($C_6H_{12}O_6$)	35.00
Niacinamide/Nicotinamide ($C_6H_6N_2O$)	1.000
Phenol Red Sodium Salt ($C_{19}H_{13}NaO_5S$)	5.00
Potassium Chloride (KCl)	400.00
Pyridoxine, Hydrochloride ($C_8H_{11}NO_3 \cdot HCl$)	1.000
Riboflavin ($C_{17}H_{20}N_4O_6$)	0.200
Sodium Chloride (NaCl)	5850.00
Sodium Phosphate Dibasic, Anhydrous (Na_2HPO_4)	800.70
Thiamine, Hydrochloride ($C_{12}H_{17}ClN_4OS \cdot HCl$)	1.000
Vitamin B12 ($C_{63}H_{88}CoN_{14}O_{14}P$)	0.005
ρ-Aminobenzoic Acid ($C_7H_7NO_2$)	1.000

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