WISENT INC.

RPMI 1640 Formulation

Catalog no.	350-015 1X, Liquid RPMI 1640
Inorganic Salts	mg/L
$Ca(NO_3)_2 \cdot 4H_2O$	100.00
KCl	400.00
$MgSO_4$ (anhydrous)	48.80
NaCl	6000.00
Na_2HPO_4	800.70
$NaHCO_3$	2000.00
Amino Acids	
L-Arginine·HCl	200.00
L-Asparagine·H_2O	56.82
L-Aspartic acid	20.00
L-Cystine·2HCl	65.20
L-Glutamic acid	20.00
L-Glutamine	300.00
Glycine	10.00
L-Histidine	15.00
Hydroxy-L-proline	20.00
L-Isoleucine	50.00
L-Leucine	50.00
L-Lysine·HCl	40.00
L-Methionine	15.00
L-Phenylalanine	15.00
L-Proline	20.00
L-Serine	30.00
L-Threonine	20.00
L-Tryptophan	5.00
L-Tyrosine·2Na·H_2O	28.83
L-Valine	20.00
Vitamins	
Biotin	0.20
D-Calcium pantothenate	0.25
Choline chloride	3.00
Folic acid	1.00
i-Inositol	35.00
Nicotinamide	1.00
Para-Aminobenzoic acid	1.00
Pyridoxine·HCl	1.00
Riboflavin	0.20
Thiamine·HCl	1.00
Vitamin B_{12}	0.005
Other	
D-Glucose	2000.00
Glutathione (reduced)	1.00
HEPES	----
Phenol red, Na	5.00

Sodium pyruvate	110.00
Specifications	
pH (after buffer)	7.2 ± 0.2
Osmolality (mOsm/kg)	290 ± 30