



WISENT INC.

Tumor Stem Medium Base Formulation

Catalog no.	305-486 1X, Liquid
Inorganic Salts	mg/L
CaCl ₂ (anhydrous)	158.325
CuSO ₄ (anhydrous)	0.0004
Fe(NO ₃) ₃ ·9H ₂ O	0.075
FeSO ₄ ·7H ₂ O	0.2085
KCl	355.90
MgCl ₂ (anhydrous)	38.65
MgSO ₄ (anhydrous)	42.475
NaCl	5500.00
NaH ₂ PO ₄ ·H ₂ O	93.75
Na ₂ HPO ₄ (anhydrous)	35.50
NaHCO ₃	1700.00
ZnSO ₄ ·7H ₂ O	0.31275
Amino Acids	
L-Alanine	12.125
L-Arginine·HCl	115.75
L-Asparagine·H ₂ O	19.165
L-Aspartic acid	16.625
L-Cysteine·HCl·H ₂ O	24.53
L-Cystine·2HCl	15.6425
L-Glutamic acid	18.375
L-Glutamine	182.55
Glycine	31.875
L-Histidine·HCl·H ₂ O	36.74
L-Isoleucine	79.585
L-Leucine	81.875
L-Lysine·HCl	118.775
L-Methionine	----
L-Phenylalanine	50.74
L-Proline	12.505
L-Serine	34.125
L-Threonine	74.375
L-Tryptophan	12.51
L-Tyrosine·2Na·2H ₂ O	79.8025
L-Valine	73.425



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Tumor Stem Medium Base Formulation, Contd.

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Vitamins	mg/L
Biotin	0.001825
D-Calcium pantothenate	3.12
Choline chloride	6.49
Folic acid	3.325
i-Inositol	9.905
Nicotinamide	3.00925
Pyridoxine·HCl	3.0155
Riboflavin	0.3095
Thiamine·HCl	3.085
Vitamin B ₁₂	0.3434
Other	
D-Glucose	3825.5
Gluta-Plus	217.00
HEPES	3135.00
Hypoxanthine, Na	1.1925
Lipoic acid	0.0525
Methyl linoleate	0.022
Phenol red, Na	8.1
Putrescine·2HCl	0.04
Sodium pyruvate	67.5
Thymidine	0.1825
Antibiotic-Antimycotic	1%
Specifications	
pH (after buffer)	7.2 ± 0.2
Osmolality (mOsm/kg)	INFO