



CAISSON

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IVL04 FORMULATION

KSOM with Amino Acids

Store at 2° to 8°C

Components	mg/L
Bovine Serum Albumin, Fraction V	1000.00
Calcium Chloride, Dihydrate ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$)	250.00
D-Glucose, Anhydrous ($\text{C}_6\text{H}_{12}\text{O}_6$)	36.032
EDTA, Disodium, Dihydrate ($\text{C}_{10}\text{H}_{14}\text{N}_2\text{Na}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$)	3.72
Glycine ($\text{C}_2\text{H}_5\text{NO}_2$)	3.75
L-Alanine ($\text{C}_3\text{H}_7\text{NO}_2$)	4.45
L-Arginine, Hydrochloride ($\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2 \cdot \text{HCl}$)	63.20
L-Asparagine, Monohydrate ($\text{C}_4\text{H}_8\text{N}_2\text{O}_3 \cdot \text{H}_2\text{O}$)	7.50
L-Aspartic Acid ($\text{C}_4\text{H}_7\text{NO}_4$)	6.66
L-Cystine, Dihydrochloride ($\text{C}_6\text{H}_{12}\text{N}_2\text{O}_4\text{S}_2 \cdot 2\text{HCl}$)	15.668
L-Glutamic Acid ($\text{C}_5\text{H}_9\text{NO}_4$)	7.36
L-Glutamine ($\text{C}_5\text{H}_{10}\text{N}_2\text{O}_3$)	146.15
L-Histidine, Anhydrous ($\text{C}_6\text{H}_9\text{N}_3\text{O}_2$)	20.96
L-Isoleucine ($\text{C}_6\text{H}_{13}\text{NO}_2$)	26.23
L-Leucine ($\text{C}_6\text{H}_{13}\text{NO}_2$)	26.24
L-Lysine, Hydrochloride ($\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{HCl}$)	36.52
L-Methionine ($\text{C}_5\text{H}_{11}\text{NO}_2\text{S}$)	7.46
L-Phenylalanine ($\text{C}_9\text{H}_{11}\text{NO}_2$)	16.52
L-Proline ($\text{C}_5\text{H}_9\text{NO}_2$)	5.76
L-Serine ($\text{C}_3\text{H}_7\text{NO}_3$)	5.26
L-Threonine ($\text{C}_4\text{H}_9\text{NO}_3$)	23.82
L-Tryptophan ($\text{C}_{11}\text{H}_{12}\text{N}_2\text{O}_2$)	5.11
L-Tyrosine, Disodium, Dihydrate ($\text{C}_9\text{H}_9\text{O}_3\text{Na}_2 \cdot 2\text{H}_2\text{O}$)	26.12



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Components	mg/L
L-Valine ($C_5H_{11}NO_2$)	23.42
Magnesium Sulfate, Heptahydrate ($MgSO_4 \cdot 7H_2O$)	49.30
Potassium Chloride (KCl)	186.38
Potassium Phosphate Monobasic, Anhydrous (KH_2PO_4)	47.99
Pyruvic Acid, Sodium Salt ($C_3H_3NaO_3$)	22.00
Sodium Bicarbonate ($NaHCO_3$)	2100.25
Sodium Chloride (NaCl)	5551.80
Sodium DL-Lactate, 60% ($C_3H_5NaO_3$) (Measured in mL)	1.416