Dulbecco's Modification of Eagle's Medium (DMEM) Formulation

Catalog no.	219-065 Powder DMEM
Inorganic Salts	mg/L
$CaCl_2$ (anhydrous)	200.00
$Fe(NO_3)_3 \cdot 9H_2O$	0.10
KCl	400.00
$MgSO_4$ (anhydrous)	97.70
NaCl	6400.00
$NaH_2PO_4 \cdot H_2O$	125.00
$NaHCO_3$	----
Amino Acids	
L-Arginine·HCl	84.00
L-Cystine·2HCl	62.57
L-Glutamine	----
Glycine	30.00
L-Histidine·HCl·H_2O	42.00
L-Isoleucine	104.80
L-Leucine	104.80
L-Lysine·HCl	146.20
L-Methionine	30.00
L-Phenylalanine	66.00
L-Serine	42.00
L-Threonine	95.20
L-Tryptophan	16.00
L-Tyrosine·2Na·2H_2O	103.79
L-Valine	94.00
Vitamins	
D-Calcium pantothenate	4.00
Choline chloride	4.00
Folic acid	4.00
i-Inositol	7.20
Nicotinamide	4.00
Pyridoxine·HCl	4.00
Riboflavin	0.40
Thiamine·HCl	4.00
Other	
D-Glucose	4500.00
Phenol red, Na	----
Sodium pyruvate	----
Specifications	
pH (after buffer)	7.8 ± 0.5
Osmolality (mOsm/kg)	335 ± 30
Grams of powder required to prepare 1L (1X Solution)	12.78