

## DMEM High Glucose Liquid Medium Formula

Components	Concentration (mg/L)
<b>Amino Acids</b>	
Glycine	30
L-Arginine hydrochloride	84
L-Cystine 2HCl	63
L-Glutamine	584
L-Histidine hydrochloride-H <sub>2</sub> O	42
L-Isoleucine	105
L-Leucine	105
L-Lysine hydrochloride	146
L-Methionine	30
L-Phenylalanine	66
L-Serine	42
L-Threonine	95
L-Tryptophan	16
L-Tyrosine disodium salt dihydrate	104
L-Valine	94
<b>Vitamins</b>	
Choline chloride	4
D-Calcium pantothenate	4
Folic Acid	4
Niacinamide	4
Pyridoxine hydrochloride	4
Riboflavin	0.4
Thiamine hydrochloride	4
i-Inositol	7.2
<b>Inorganic Salts</b>	
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200
Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> 9H <sub>2</sub> O)	0.1
Magnesium Sulfate (MgSO <sub>4</sub> ) (anhyd.)	97.67
Potassium Chloride (KCl)	400
Sodium Bicarbonate (NaHCO <sub>3</sub> )	3700
Sodium Chloride (NaCl)	6400
Sodium Phosphate monobasic (NaH <sub>2</sub> PO <sub>4</sub> H <sub>2</sub> O)	125
<b>Other Components</b>	
D-Glucose (Dextrose)	4500
Phenol Red	15



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