

**IMEM****Ready-to-use**

**Order Number: 820800**  
**500 ml**

Concentration	mg/L		mg/L
<u>Inorganic salts</u>		<u>Vitamins</u>	
CaCl <sub>2</sub>	165.0	Choline chloride	4.0
KCl	330.0	Folic acid	4.0
Mg SO <sub>4</sub>	97.7	i-Inositol	7.2
NaCl	4505.0	Nicotinamide	4.0
NaHCO <sub>3</sub>	3024.0	Vitamin B1 · HCl (Thiamine Monohydrochloride)	4.0
NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O	125.0	Vitamin B2 (Riboflavin)	0.4
Na <sub>2</sub> SeO <sub>3</sub>	0.0173	Vitamin B5 (D-Calcium Pantothenate)	4.0
KNO <sub>3</sub>	0.076	Vitamin B6 · HCl (Pyridoxine Monohydrochloride)	4.0
		Vitamin B12 (Cyanocobalamin)	0.013
		Vitamin H (D-Biotin)	0.013
<u>Amino acids</u>		<u>Other components</u>	
L-Alanine	25.0	D(+)-Glucose	4500.0
L-Arginine · HCl	84.0	Phenol Red	15.00
L-Asparagine H <sub>2</sub> O	28.40	Pyruvic acid, sodium salt	110.0
L-Aspartic acid	30.0	L-Glutamine	584.0
L-Cystine · 2HCl	91.24	HEPES buffer	5958.0
L-glutamic acid	75.0	Fetal Bovine Serum	10%
Glycine	30.0		
L-Histidine · HCl · H <sub>2</sub> O	42.0		
L-Isoleucine	105.0		
L-Leucine	105.0		
L-Lysine · HCl	146.0		
L-Methionine	30.0		
L-Phenylalanine	66.0		
L-Proline	40.0		
L-Serine	42.0		
L-Threonine	95.0		
L-Tryptophan	16.0		
L-Tyrosine Disodium salt, dehydrate	103.79		
L-Valine	94.0		

**Note:**

In case FBS was added, the concentrations given above need to be reduced by 10%.

**Maintenance**

Immediately after delivery, store the medium at 4°C to 8° C in the dark. Do not heat the medium over 37°C or use uncontrollable sources of heat (e.g. microwave appliances). If only a part of the medium is to be used, remove this amount from the bottle and warm it up. Do not freeze the medium. This can result in high salt concentrations by freezing out pure water which will cause irreversible damage.

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.**