

**RPMI-HG****Ready-to-use**
**Order Number: 820702**  
**500 ml**

Concentration	mg/L		mg/L
<u>Inorganic salts</u>		<u>Vitamins</u>	
Ca(NO <sub>3</sub> ) <sub>2</sub> ·4H <sub>2</sub> O	100.0	Choline chloride	3.0
KCl	400.0	Folic acid	1.0
Mg SO <sub>4</sub>	48.8	i-Inositol	35.0
NaCl	6000.0	Vitamin B1 · HCl (Thiamine Monohydrochloride)	1.0
NaHCO <sub>3</sub>	2000.0	Vitamin B2 (Riboflavin)	0.2
NaH <sub>2</sub> PO <sub>4</sub>	800.5	Vitamin B5 (D-Calcium Pantothenate)	0.25
		Vitamin B6 · HCl (Pyridoxine Monohydrochloride)	1.0
		Nicotinamide	1.0
		Vitamin B12 (Cyanocobalamin)	0.005
		Vitamin H (D-Biotin)	0.2
<u>Amino acids</u>		<u>Other components</u>	
Glutathione Reduced	1.0	D(+)-Glucose	3250.0
L-Arginine · HCl	200.0	Phenol Red	5.00
L-Asparagine · H <sub>2</sub> O	50.0	L-Glutamine	300.0
L-Aspartic acid	20.0	Fetal Bovine Serum	10%
P-Aminobenzoic Acid	1.0		
L-glutamic acid	20.0		
Glycine	10.0		
L-Histidine · HCl · H <sub>2</sub> O	20.27		
L-Isoleucine	50.0		
L-Cystine · 2HCl	65.2		
L-Leucine	50.0		
L-Lysine · HCl	40.0		
L-Methionine	15.0		
L-Phenylalanine	15.0		
L-Proline	20.0		
L-Serine	30.0		
L-Threonine	20.0		
L-Tryptophane	5.0		
L-Tyrosine Disodium salt, dehydrate	28.83		
L-Valine	20.0		
L-Hydroxyproline	20.0		

**Note:**

In case FBS is 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.**