Composition

P04-18250 **RPMI 1640**
P04-18050 **w: stable Glutamine**
P04-180501 **w: 25 mM HEPES**
w: 2.0 g/L $NaHCO_3$

	Components	mg/L
Inorganic Salts	Calcium nitrate x $4H_2O$	100.00
	Magnesium sulfate anhydrous	48.83
	Potassium chloride	400.00
	Sodium chloride	5,450.00
	di-Sodium hydrogen phosphate	800.49
Other Components	D(+)-Glucose anhydrous	2,000.00
	Glutathione (red.)	1.00
	HEPES	5,958.00
	Phenol red	5.00
Amino Acids	L-Arginine x HCl	241.86
	L-Asparagine x H_2O	56.82
	L-Aspartic acid	20.00
	L-Cystine x 2HCl	65.19
	L-Alanyl-L-Glutamine	447.00
	L-Glutamic acid	20.00
	Glycine	10.00
	L-Histidine x HCl x H_2O	20.27
	L-Hydroxyproline	20.00
	L-Isoleucine	50.00
	L-Leucine	50.00
	L-Lysine x HCl	40.00
	L-Methionine	15.00

	L-Phenylalanine	15.00
	L-Proline	20.00
	L-Serine	30.00
	L-Threonine	20.00
	L-Tryptophan	5.00
	L-Tyrosine x 2Na x $2H_2O$	28.83
	L-Valine	20.00
Vitamins	p-Aminobenzoic acid	1.00
	D-(+)-Biotin	0.20
	D-Calcium pantothenate	0.25
	Choline chloride	3.00
	Folic acid	1.00
	myo-Inositol	35.00
	Nicotinamide	1.00
	Pyridoxine x HCl	1.00
	Riboflavin	0.20
	Thiamine x HCl	1.00
	Vitamin B12	0.005
	$NaHCO_3$	2,000.00