

Composition

P04-18047 **RPMI 1640**
w: 2 mM L-Glutamine
w: 1 mM Sodium pyruvate
w: 4.5 g/L Glucose
w: 10 mM HEPES
w: 1.5 g/L NaHCO₃

	Components	mg/L
Inorganic Salts	Calcium nitrate x 4H ₂ O	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	4,500.00
	Glutathione (red.)	1.00
	HEPES	2,383.00
	Phenol red	5.00
	Sodium pyruvate	110.00
Amino Acids	L-Arginine x HCl	241.86
	L-Asparagine x H ₂ O	56.82
	L-Aspartic acid	20.00
	L-Cystine x 2HCl	65.19
	L-Glutamine	300.00
	L-Glutamic acid	20.00
	Glycine	10.00
	L-Histidine x HCl x H ₂ O	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	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	1,500.00