



the serum and antibody specialists

RPMI 1640

MED-229	RPMI 1640 without L-Glutamine 500 ml
MED-230	RPMI 1640 with L-Glutamine 500 ml
MED-231	RPMI 1640 with 25 mM HEPES without L-Glutamine 500 ml
MED-232	RPMI 1640 with 25 mM HEPES with L-Glutamine 500 ml
MED-233	RPMI 1640 without L-Glutamine without Phenol Red 500 ml
MED-234	RPMI 1640 with L-Glutamine without Phenol Red 500 ml
MED-244	RPMI 1640 with Stable Glutamine, with Phenol Red

- cultivation of human and animal lymphocytes
- enriched medium, based on the formula of RPMI-1630
- originally developed for suspension and mono-layer cultures from human leukaemia cells

CO₂-Concentration, optimum: 4.5%**Osmolality:** 280 – 340 mOsmol/kg**Sterility:** tested**Shelf Life:** without L-Glutamine 12 months
with L-Glutamine 9 months**pH:** 7.0 – 7.5**Endotoxin:** < 1 EU/ml**Storage:** + 2 °C – + 8 °C**Formulation in mg/ml****Inorganic Salts**

Calcium Nitrate . 4H ₂ O	100.00
Potassium Chloride	400.00
Magnesium Sulphate dried	48.80
Sodium Chloride	6000.00
di-Sodium Hydrogen Phosphate	800.00
Sodium Hydrogen Carbonate	2000.00

Amino Acids

L-Arginine . HCl	241.86
L-Asparagine . H ₂ O	50.00
L-Aspartic Acid	20.00
L-Cystine	50.00
L-Glutamic Acid	20.00
Glycine	10.00
L-Histidine base	15.00
L-Hydroxyproline	20.00
L-Isoleucine	50.00
L-Leucine	50.00
L-Lysine . 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	20.00
L-Valine	20.00

Vitamins

D-(+)-Biotin	0.20
D-Calcium Pantothenate	0.25
Cholin Chloride	3.00
Folic Acid	1.00
myo-Inositol	35.00
Nicotinamide	1.00
p-Aminobenzoic Acid	1.00
Pyridoxine . HCl	1.00
Riboflavin	0.20
Thiamine . HCl	1.00
Vitamin B ₁₂	0.005

Other Components

D-Glucose anhydrous	2000.00
Glutathione (red.)	1.00
L-Glutamine in MED-230, MED-232, MED-234	300.00
HEPES in MED-231, MED-232	5958.00
Phenol Red in MED-233, MED-234, MED-244	5.00

Literature:

Moore, G. E., Gerner R. E. and Franklin, H. A. (1967)
Culture of Normal Human Leucocytes. JAMA 199, 519-524

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