

RPMI 1640

Description

The medium was developed for culture of normal and neoplastic leukocytes, but also marrow cells and hybridoma cells. Meanwhile there are better, serum-free media for hybridoma cells such our Panserin H4000. Just by supplementing RPMI 1640 with varying amounts of FBS, a very good medium for many different cell lines can be obtained.

Composition

	Components	mg/L
Inorganic Salts	Calcium nitrate x 4H ₂ O	100.00
	Potassium chloride	400.00
	Magnesium sulfate anhydrous	48.83
	Sodiumchloride	6000.00
	di-Sodium hydrogen phosphate	800.49
Other Components	D(+)-Glucose anhydrous	2000.00
	Glutathion (red.)	1.00
	Hepes	5958.00
	Phenol red	5.00
Amino acids	L-Arginine x HCl	241.86
	L-Asparagine x H ₂ O	50.00
	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

When 5,958.00 mg/L HEPES is included there is only 5,000.00 mg/L sodium chloride.

Liquid Media without Glutamine

RPMI 1640 ⁽¹⁾ without L-Glutamine with 2.0 g/L NaHCO ₃	500 ml P04-17500
RPMI 1640 ⁽¹⁾ without L-Glutamine without Phenol red with 2.0 g/L NaHCO ₃	500 ml P04-16516
RPMI 1640 ⁽¹⁾ without L-Glutamine with 25 mM Hepes with 2.0 g/L NaHCO ₃	500 ml P04-18000
RPMI 1640 (10X) ⁽²⁾ without L-Glutamine without NaHCO ₃	500 ml P04-17510
RPMI 1640 ⁽²⁾ without L-Glutamine with 25 mM Hepes without NaHCO ₃	500 ml P04-17850
RPMI 1640 ⁽²⁾ without L-Glutamine with 25 mM Hepes with 2.2 g/L NaHCO ₃	500 ml P04-22500
RPMI 1640 ⁽²⁾ without L-Glutamine with 20 mM Hepes with 0.85 g/L NaHCO ₃	500 ml P04-19500

(1) usually on stock, (2) minimum order 10 l, (3) available on request

RPMI 1640

Special Media without Glutamine

RPMI 1640⁽²⁾
without L-Glutamine
without Calcium
with 2.0 g/L NaHCO₃ 500 ml P04-16151

RPMI 1640⁽²⁾
without L-Glutamine
without L-Tryptophan
with 2.0 g/L NaHCO₃ 500 ml P04-17599

RPMI 1640⁽²⁾
without L-Glutamine
without Glucose
with 2.0 g/L NaHCO₃ 500 ml P04-17550

RPMI 1640⁽²⁾
without L-Glutamine
with 15 mM Hepes
without Phosphate
with 2.0 g/L NaHCO₃ 500 ml P04-21049

Powder Media without Glutamine

RPMI 1640⁽¹⁾
without L-Glutamine 10 L P03-7210
without NaHCO₃ 50 L P03-7250

RPMI 1640⁽¹⁾
without L-Glutamine
without Phenol red 10 L P03-7710
without NaHCO₃ 50 L P03-7750

RPMI 1640⁽¹⁾
without L-Glutamine
with 25 mM Hepes 10 L P03-4410
without NaHCO₃ 50 L P03-4450

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RPMI 1640

Liquid Media with L-Glutamine

RPMI 1640⁽¹⁾
with L-Glutamine
with 2.0 g/L NaHCO₃ 500 ml P04-16500

RPMI 1640⁽¹⁾
with L-Glutamine
without Phenol red
with 2.0 g/L NaHCO₃ 500 ml P04-16515

RPMI 1640⁽¹⁾
with 2 mM L-Glutamine
with 1 mM Sodium pyruvate
with 4.5 g/L Glucose
with 10 mM Hepes
with 1.5 g/L NaHCO₃ 500 ml P04-18047

RPMI 1640⁽¹⁾
with L-Glutamine
with 25 mM Hepes
with 2.2 g/L NaHCO₃ 500 ml P04-22100

RPMI 1640⁽²⁾
with L-Glutamine
with 20 mM Hepes
with 0.85 g/L NaHCO₃ 500 ml P04-19550

Special Media with L-Glutamine

RPMI 1640⁽²⁾
with L-Glutamine
without Glucose
with 2.0 g/L NaHCO₃ 500 ml P04-17545

RPMI 1640⁽²⁾
with L-Glutamine
without L-Arginine
with 2.0 g/L NaHCO₃ 500 ml P04-16598

RPMI 1640⁽²⁾
with L-Glutamine
without L-Tryptophan
with 2.0 g/L NaHCO₃ 500 ml P04-17598

Powder Media with L-Glutamine

RPMI 1640⁽¹⁾
with L-Glutamine 10 L P03-4310
without NaHCO₃ 50 L P03-4350

RPMI 1640⁽¹⁾
with L-Glutamine
with 25 mM Hepes 10 L P03-7310
without NaHCO₃ 50 L P03-7350

RPMI 1640⁽¹⁾
with L-Glutamine
without Phenol red 10 L P03-7610
without NaHCO₃ 50 L P03-7650

Liquid Media with stab. Glutamine

RPMI 1640⁽¹⁾
with stab. Glutamine
with 2.0 g/L NaHCO₃ 500 ml P04-18500

RPMI 1640⁽²⁾
with stab. L-Glutamine
without Phenol red
with 2.0 g/L NaHCO₃ 500 ml P04-16520

RPMI 1640⁽¹⁾
with stab. Glutamine
with 25 mM Hepes
with 2.2 g/L NaHCO₃ 500 ml P04-18050

Special Media with stab. Glutamine
minimum order quantity: 20 x 500ml

RPMI 1640⁽²⁾
with stab. Glutamine
without Glucose
with 2.0 g/L NaHCO₃ 500 ml P04-17546

RPMI 1640⁽²⁾
with stab. Glutamine
without Phenol red
without Glucose
with 2.0 g/L NaHCO₃ 500 ml P04-16530

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