



RPMI 1640 Cell Culture Medium

RPMI 1640 is one of several media used for the culture of human peripheral blood cells. RPMI 1640 supports the maintenance of these cells and proliferation in the presence of the correct supplements. Hematopoietic cells are used in the study of autoimmune disorders, infectious diseases, hematologic malignancies, vaccine development, high throughput screening, and transplant immunology. RPMI 1640 contains no antimicrobials since these components can cause cell stress and “masking effects” that may influence experimental results. Lifeline® offers these traditional supplements; however they are not needed, or recommended, to achieve optimal cell performance.

RPMI 1640 Cell Culture Medium Components

RPMI1640 is offered as a frozen basal medium extending shelf life and enhancing performance. RPMI 1640 Cell Culture Medium contains phenol red, 2 mM L-glutamine, 25 mM HEPES and 1 mM sodium pyruvate. RPMI 1640 may be purchased separately or in a kit containing Fetal Bovine Serum (LS-1012), and GA (Gentamicin and Amphotericin B, LS-1117).

Product	Part #	Volume	Final Concentrations in Supplemented Medium	Storage
RPMI 1640 Medium Complete Kit, (RPMI 1640 Basal Medium, Fetal Bovine Serum, Gentamicin and Amphotericin B)	LL-0066			2-8°C, when prepared
RPMI 1640 Basal Medium	LM-0025	100 mL		2-8°C
FBS LifeFactor®	LS-1012	10 mL	10%	-20°C
Antimicrobial Supplement: Gentamicin and Amphotericin B	LS-1117	1.0 mL	Gentamicin 30 µg/mL Amphotericin B 15 ng/mL	-20°C
LL-0074	PBMC 50M System Complete Kit (includes LL-0066 + HC-0024)			
LL-0075	PBMC 25M System Complete Kit (includes LL-0066 + HC-0025)			
LL-0076	CD3+ Pan T, 5M System Complete Kit (includes LL-0066 + HC-0026)			
LL-0077	CD3+ Pan T, 10M System Complete Kit (includes LL-0066 + HC-0027)			

Quality Testing for Guaranteed Consistency and Reproducible Results

Lifeline Cell Technology manufactures products using the highest quality raw materials and incorporates ISO style quality assurance in every production run. Exacting standards and production procedures ensure lot-to-lot consistency. Every production lot of RPMI 1640 Medium is extensively tested using endothelial cells.

• Sterility Testing	Negative for bacterial and fungal growth	• Osmolality	300 +/-20 mOsm
• pH	7.4 +/- 0.3	• Endotoxin	<0.5 EU/mL
• Cell Testing	Rate of proliferation and morphology		

RPMI 1640 Medium + HEPES + Sodium Pyruvate with 10% FBS may be used for the maintenance of a variety of non-adherent cell types.

To place an order, please visit lifelinecelltech.com or call us at **877.845.7787**

Lifeline Cell Technology - 8415 Progress Drive, Suite T - Frederick, MD 21701

The Lifeline Guarantee

Lifeline's rigorous quality control ensures sterility and performance to standardized testing criteria. Upon request, Lifeline will provide lot-specific QC test results, material safety data sheets, and certificates of analysis. See complete guarantee/warranty statement at lifelinecelltech.com or contact your Lifeline representative for more information.

Packaging Features

Lifeline is an environmentally friendly company. Our cell culture media bottles and shipping boxes are recyclable.

Safety Statement

This product is for Research Use Only. This product is not approved for human or veterinary use or for use in *in vitro* diagnostics or clinical procedures.

Call Lifeline Technical Service and Sales at **877.845.7787**

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