

Doc. No.	Rev	Effective Date
PI10	2	08JUL2024

RPMI-1640 (Medium) Modified

RPMI-1640 medium has been used for the culture of human normal and neoplastic leukocytes. RPMI-1640 when properly supplemented, has demonstrated wide applicability for supporting growth of many types of cell cultures, including fresh human lymphocytes in the 72-hour phytohemagglutinin (PHA) stimulation assay.

Complete Certificate of Analysis available for each production lot.

Product Formulation

COMPONENT	g/L
Inorganic Salts	
Ca(NO ₃) ₂ • 4H ₂ O	0.1
MgSO ₄ (anhydrous)	0.04884
KCl	0.4
NaHCO ₃	2
NaCl	6
Na ₂ HPO ₄ (Anhydrous)	0.8
Amino Acids	
L-Arginine • HCl	0.2
L-Asparagine • H ₂ O	0.05
L-Aspartic Acid	0.02
L-Glutamic Acid	0.02
Glycine	0.01
L-Histidine • HCl • H ₂ O	0.015
Hydroxy-L-Proline	0.02
L-Isoleucine	0.05
L-Leucine	0.05
L-Lysine • HCl	0.04
L-Phenylalanine	0.015
L-Proline	0.02
L-Serine	0.03

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Life Science Production

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Tel: +44 (0) 1234 889180 Email: sales@lifesciencegroup.co.uk Web: www.lifesciencegroup.co.uk

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L-Threonine	0.02
L-Tryptophan	0.005
L-Tyrosine • 2Na • 2H ₂ O	0.02883
L-Valine	0.02
Vitamins	
D-Biotin	0.0002
Choline Chloride	0.003
Folic Acid	0.001
myo-Inositol	0.035
Niacinamide	0.001
p-Aminobenzoic Acid	0.001
D-Pantothenic Acid • ½Ca	0.00025
Pyridoxine • HCl	0.001
Riboflavin	0.0002
Thiamine • HCl	0.001
Vitamin B12	0.000005
Other	
D-Glucose	2
Glutathione (reduced)	0.001
Phenol Red • Na	0.0053

Product Presentation

Product Code	Product Description	Size
LSGRPMI-002A	RPMI 1640 w/o L-Glutamine, L-Methionone, L-Cystine and with Phenol red NaHCO ₃	500ml

Storage

Storage at ambient temperatures or at 2-8°C

For Research use only. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.

Support

To learn more, contact us by phone at +44 1234 889180 or email sales@lifesciencegroup.co.uk

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