

Materials List for:

HPLC-based Assay to Monitor Extracellular Nucleotide/Nucleoside Metabolism in Human Chronic Lymphocytic Leukemia Cells

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URL: <https://www.jove.com/video/54124>

DOI: [doi:10.3791/54124](https://doi.org/10.3791/54124)

Materials

Name	Company	Catalog Number	Comments
Human blood			
Milli-Q water	Millipore		double deionised water
Ficoll-Paque Plus	GE-Healthcare	17-1440-03	
purified anti-CD3, -CD14, -CD16	made in-house		mouse monoclonal
PE-labeled anti-CD19	Miltenyi Biotec	120-014-229	
FITC-labeled anti-CD5	Miltenyi Biotec	130-096-574	
Dynabeads sheep anti-mouse IgG	Invitrogen	11031	
Phosphate-buffered saline (PBS)	Amresco	E404-200TABS	tablets
bovine serum albumin (BSA)	ID bio	1000-70	standard grade
isolation buffer			PBS 0.1% BSA 2 mM EDTA, pH 7.4
AIM V serum free medium	GIBCO	12055-091	liquid (research grade)
adenosine 5'-diphosphate (ADP)	Sigma-Aldrich	A2754	
adenosine 5'-monophosphate (AMP)	Sigma-Aldrich	A1752	
adenosine (ADO)	Sigma-Aldrich	A9251	
inosine (INO)	Sigma-Aldrich	I4125	
α,β -methylene-ADP (APCP)	Sigma-Aldrich	M8386	CD73 inhibitor
EHNA hydrochloride	Sigma-Aldrich	E114	adenosine deaminase inhibitor
Deoxycoformycin (dCF)	Tocris	2033	adenosine deaminase inhibitor
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2650	
Dipyridamole	Sigma-Aldrich	D9766	nucleoside transporter inhibitor
acetonitrile (CHROMASOLV Plus)	Sigma-Aldrich	34998	HPLC-grade
ammonium acetate	Sigma-Aldrich	9688	7 mM, pH 3.0
hydrochloric acid	Sigma-Aldrich	30721-1L	min. 37%
Name	Company	Catalog Number	Comments
Equipment			
Bürker cell counter	VWR	631-0920	hemocytometer
DynaMag-15 Magnet	Invitrogen	12301D	Dynal magnetic bead separator
microcentrifuge safe-lock tubes	Eppendorf	030-120-0086	1.5 ml
PET centrifuge tubes	Corning	430053/430304	15 – 50 ml
Minisart RC4 syringe filters	Sartorius Stedim Biotech	17821	membrane 0.2 μ m
short thread vials	VWR	548-0029	1.5 ml/glass
micro-inserts	VWR	548-0006	0.1 ml/glass
screw caps	VWR	548-0085	9 mm/PP blue

Atlantis dC18 Column	Waters	186001344	5 µm, 4.6 mm x 150 mm
Atlantis dC18 Guard Column	Waters	186001323	5 µm, 4.6 mm x 20 mm
Waters Alliance 2965 Separations Module	Waters		HPLC separation module
Waters 2998 Photodiode Array (PDA) Detector	Waters		UV detector
Waters Empower2 software	Waters		