

Materials List for

Real-time Monitoring of Mitochondrial Respiration in Cytokine-differentiated Human Primary T Cells

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Citation

Mølgaard, K., Rahbech, A., Met, Ö., Svane, I.M., thor Straten, P., Desler, C., Peeters, M.J.W. Real-time Monitoring of Mitochondrial Respiration in Cytokine-differentiated Human Primary T Cells. *J. Vis. Exp.* (176), e62984, doi:10.3791/62984 (2021).

Date Published

October 19, 2021

DOI

10.3791/62984

URL

jove.com/video/62984

Materials

Name	Company	Catalog Number	Comments
24-well tissue culture plate	Nunc	142485	
Anti-CD3xCD28 beads	Gibco	11161D	
Antimycin A	Merck	A8674	
Carbonyl cyanide 4-(trifluoromethoxy)-phenylhydrazone (FCCP)	Sigma-Aldrich	C2920	
Cell-Tak	Corning	354240	For coating
Dimethyl sulfoxide (DMSO)	Sigma Aldrich	D9170	
Human Serum	Sigma Aldrich	H4522	Heat inactivated at 56 °C for 30 min
IL-15	Peptotech	200-02	
IL-2	Peptotech	200-15	
Lymphoprep	Stemcell Technologies	07801	
Oligomycin	Merck	O4876	
PBS	Thermo Fisher	10010023	
RPMI 1640	Gibco-Thermo Fisher	61870036	
Seahorse Calibrant	Agilent Technologies	102416-100	
Seahorse XF 1.0 M glucose solution	Agilent Technologies	103577-100	
Seahorse XF 100 mM pyruvate solution	Agilent Technologies	103578-100	
Seahorse XF 200 mM glutamine solution	Agilent Technologies	103579-100	
Seahorse XF RPMI medium, pH7.4	Agilent Technologies	103576-100	XF RPMI media
Seahorse XFe96 Analyser	Agilent Technologies		Flux analyzer
Seahorse XFe96 cell culture microplates	Agilent Technologies	102416-100	XF cell culture plate
Seahorse XFe96 sensor cartridge	Agilent Technologies	102416-100	

Sodium Bicarbonate concentrate 0.1 M (NaHCO ₃)	Sigma Aldrich	36486	
Sodium Hydroxide solution 1 N (NaOH)	Sigma Aldrich	S2770-100ML	
X-VIVO 15	Lonza	BE02-060F	
T cell beads magnet DynaMag-2 Magnet	Thermo Fisher	12321D	
Seahorse wave			Flux analyzer software