

Name of Material/ Equipment	Company	Catalog Number
XFe96 extracellular FluxPak	Agilent	102416-100 or 102601-10
Cell-Tak	Corning	354240
Sodium bicarbonate	Sigma-Aldrich	S5761
XF base medium	Agilent	102353-100
200 mM L-glutamine	Life Technologies	25030-081
Glucose	Sigma-Aldrich	G7528
100 mM sodium pyruvate	Life Technologies	11360-070
Sodium hydroxide (NaOH)	Sigma-Aldrich	
0.2 µm filter		
Falcon 70 µm filter	Fisher Scientific	08-771-2
Gibco HBSS	Fisher Scientific	14175095
Gibco Fetal bovine serum (FBS)	Fisher Scientific	26400044
Ammonium chloride (NH ₄ Cl)	Fisher Scientific	A661-3
Potassium bicarbonate (KHCO ₃)	Fisher Scientific	P235-500
EDTA	Fisher Scientific	O2793-500
Rat biotin antimouse-CD2, Clone ID: RM2-5	Biologend	100103
Rat biotin antimouse-CD3, Clone ID: 17A2	Biologend	100243
Rat biotin antimouse-CD5, Clone ID: 53-7.3	Biologend	100603
Rat biotin antimouse-CD8, Clone ID: 53-6.7	Biologend	100703
Rat biotin antimouse-Ter-119, Clone ID: TER-119	Biologend	116203
Rat biotin antimouse-B220, Clone ID: RA3-6B2	Biologend	103203
Rat biotin antimouse-Gr-1, Clone ID: RB6-8C5	Biologend	108403
MojoSort buffer	Biologend	480017
MojoSort Strapavidin Nanobeads	Biologend	480015

15 mL conical tubes		
2-Deoxy-glucose (2-DG)	Sigma-Aldrich	D8375
Oligomycin	Sigma-Aldrich	O4876
Carbonyl cyanide-4 (trifluoromethoxy) phenylhydrazone (FCCP)	Sigma-Aldrich	C2920
Rotenone	Sigma-Aldrich	R8875
Antimycin A	Sigma-Aldrich	A8674
PBS	Life Technologies	10010-049
Tris-HCl	Sigma-Aldrich	
Sodium deoxycholate	Sigma-Aldrich	
Sodium chloride (NaCl)	Sigma-Aldrich	
Sodium Fluoride (NaF)	Sigma-Aldrich	
Protease Inhibitor Cocktail (PIC)	Sigma-Aldrich	
Bio-Rad DC protein assay kit	Sigma-Aldrich	
XF prep station	Seahorse	
	Biosciences	
Seahorse XFe96 extracellular flux analyzer	Seahorse	
	Biosciences now	
	Agilent	

Comments/Description

Includes assay cartridges with utility plates,
loading guide flats for loading

drugs onto the assay cartridge, XF calibrant solution and XF cell culture
microplate

Cell adhesive. Used for coating cell microplates

Used to make Cell-Tak solution for microplate coating

Used to prepare glycolysis stress test and mitochondrial stress test assay media

Component of glycolysis stress test and mitochondrial stress test assay media

Component of mitochondrial stress test assay medium and first injection of glycolysis stress test

Component of mitochondrial stress test assay medium

Prepared 1 N solution. Used for pH normalization

Used to filter sterile the assay media

Used as cells strainer during HPCs harvest

Used to prepare assay buffer during HPCs harvest

Used to prepare assay buffer during HPCs harvest

Component of ACK lysis buffer

Component of ACK lysis buffer

Component of ACK lysis buffer and RIPA lysis buffer

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for lineage depletion during HPC enrichment

Used for washing during HPC enrichment

Used for lineage depletion during HPC enrichment

Used during HPC enrichment and to prepare assay drug solutions

3rd drug injection during glycolysis stress test

2nd drug injection during glycolysis stress test and 1st drug injection during mitochondrial stress test

2nd drug injection during mitochondrial stress test

3rd drug injection during mitochondrial stress test

4th drug injection during mitochondrial stress test

Used to wash cells after assay for protein quantification

Component of RIPA lysis buffer

Component of RIPA lysis buffer

Component of RIPA lysis buffer

Component of RIPA lysis buffer

Supplied as tablets. One tablet was dissolved in 10 mL of RIPA buffer to make 1X PIC.

Used as per manufacturer instructions

Used for non-CO₂ 37°C incubations

For ECAR and OCR measurements in real time.