

Materials List for:

# Evaluating the Role of Mitochondrial Function in Cancer-related Fatigue

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## Materials

Name	Company	Catalog Number	Comments
CPT Mononuclear Cells Preparation Tube	BD Biosciences	362761	For isolating PBMCs following phlebotomy
RPMI-1640	Corning	10-040	For making growth media for PBMCs
Fetal bovine serum (FBS)	Corning	35-010-CV	For making growth media for PBMCs
Penicillin/Streptomycin	ThermoFisher	15140122	For making growth media for PBMCs
Cell-Tak	Corning	354240	Cell and Tissue adhesive solution; allows suspension cells to adhere to the surface
Seahorse XF Calibrant Solution	Agilent	103059-000	For hydrating cartridges
XFp Fluxpak (miniplates and sensor cartridges)	Agilent	103022-100	Contains XFp cell culture miniplates and sensor cartridges
XF base media	Agilent	103335-100	For making XF assay media
45% cell culture D-(+)-Glucose solution	Corning	25-037-CI	For making XF assay media
Sodium pyruvate solution	Corning	25-000-CI	For making XF assay media
L-glutamine solution	ThermoFisher	25030081	For making XF assay media
Seahorse XFp Mito Stress Test Kit	Agilent	103010-100	Contains oligomycin, FCCP, antimycin A/rotenone
CyQUANT Direct Cell Proliferation Assay	ThermoFisher	C35011	For quantification of live cells and data normalization
Seahorse XFp Analyzer	Agilent	S7802AEA	For measuring mitochondrial function in live cells
Cytation 5 Cell Imaging Multi-Mode Reader (or any instrument that can quantify fluorescent cells in a plate)	BioTek	BTCYT5PV	For quantification of live cells and data normalization