

High-Throughput *In Vitro* Assay using Patient-Derived Tumor Organoids

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Materials

Name	Company	Catalog Number	Comments
384-well Ultra-Low Attachment Spheroid Microplate	Corning	4516	Plates for HTS
40-µm Cell Strainer	Corning	352340	
AdoptCell-NK kit	Kohjin Bio	16030400	Kit for NK cell production
Cancer Cell Expansion Media plus	Fujifilm Wako Pure Chemical	032-25745	Medium for F-PDO
ALyS505N-175	Cell Science & Technology institute	10217P10	Medium for NK cells
CELL HANDLER	Yamaha Motor	-	Cell picking and imaging system
CellPet FT	JTEC	-	Cell fragmentation and dispersion equipment
CellTiter-Glo 3D Cell Viability Assay	Promega	G9683	Cell viability luminescent assay, intracellular ATP measuring reagent
Echo 555	Labcyte	-	Liquid handler
EnSpire	PerkinElmer	-	Plate reader
E-plate VIEW 96	Agilent	300601020	Plates are specifically designed to perform cell-based assays with the xCELLigence RTCA System
Fibronectin Solution	Fujifilm Wako Pure Chemical	063-05591	Plate coating for xCELLigence RTCA System
F-PDO	Fujifilm Wako Pure Chemical or Summit Pharmaceuticals International	-	The F-PDO can be purchased from Fujifilm Wako Pure Chemicals or Summit Pharmaceuticals International
Morphit software, version 6.0	The Edge Software Consultancy		Biological data analysis software
Multidrop Combi	ThermoFisher Scientific	5840300	Cell suspension dispenser
Precision Chamber	Yamaha Motor	JLE9M65W230	Chamber for picking cell clusters using CELL HANDLER
Precision Tip	Yamaha Motor	JLE9M65W300	Micro tip for picking cell clusters using CELL HANDLER
RLUN007	Fujifilm Wako Pure Chemical or Summit Pharmaceuticals International		Lung tumor derived F-PDO

TrypLE Express	ThermoFisher Scientific	12604021	Cell culture dissociation reagent
Ultra-Low Attachment 25 cm ² Flask	Corning	4616	Culture flask for PDO
Ultra-Low Attachment 75 cm ² Flask	Corning	3814	Culture flask for PDO
Vi-CELL XR Cell Viability Analyzer System	Beckman coulter	-	Cell viability analyzer
xCELLigence immunotherapy software, version 2.3	ACEA Bioscience	-	Analysis software for xCELLigence RTCA System
xCELLigence RTCA System	ACEA Bioscience	-	Electrical impedance measuring instrument for cytolysis