

Real-Time Detection and Capture of Invasive Cell Subpopulations from Co-Cultures

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Materials

Name	Company	Catalog Number	Comments
0.05% Trypsin-EDTA	Thermofisher	25300-054	
Adhesive	Norland Optical Adhesive	NOA63	
Bovine serum albumin (BSA)	Sigma	A9418	
Cell lifter	Sarstedt	83.1832	
Cholera Toxin from <i>Vibrio cholerae</i>	Thermofisher	12585-014	
CIM-plate	Agilent	5665817001	Cell analyzer plate
Collagenase from <i>Clostridium histolyticum</i>	Sigma	C0130	
Dispase	StemCell	7913	
DMEM	Thermofisher	11995-065	
DMEM-F12	Thermofisher	11875-093	
Fetal Bovine Serum (FBS), Heat Inactivated	Omega Scientific	FB-12	
HEPES	Thermofisher	15630106	
Horse serum (HS)	Gibco	16050-122	
Human EGF	Peptotech	AF-100-15	
Human umbilical Vein endothelial cells (HUVEC)	LONZA (RRID:CVCL_2959)	C-2517A	
HUVEC media	LONZA	CC-3162	
Hydrocortisone	Sigma	H4001	
Insulin Transferrin Selenium Ethanolamine (ITSX) (100x)	Thermofisher	51500056	
Insulin, Human Recombinant, Zinc Solution	Sigma	C8052	
J2 Fibroblasts	Stemcell (RRID:CVCL_W667)	100-0353	
LymphoPrep	Stemcell	7851	Density gradient medium for the isolation of mononuclear cells
Matrigel	Corning	354230	Basement membrane matrix
MCFDCIS.com cells (DCIS)	RRID:CVCL_5552		
MDA-MB-231 cells	RRID:CVCL_0062		

Milling machine			Bridgeport Series 1 Vertical
Phosphate-buffered saline (1x)	ThermoFisher	10010049	
Polyethersulfone (PES) membrane	Sterlitech	PCTF029030	
RBC lysis solution	Stemcell	7800	
RNeasy Micro Kit	Qiagen	74004	
RTCA DP analyzer	Agilent	3X16	Dual purpose cell analyzer
Trypsin	Sigma	T4799	