

# Monitoring Cancer Cell Invasion and T-Cell Cytotoxicity in 3D Culture

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## Materials

Name	Company	Catalog Number	Comments
3D Petri Dishes	Microtissues Inc	Z764019 & Z764051	referred to as "rubber molds" in the protocols; 81-microwell & 35-microwell molds
8-well Chamber Slides	Lab-Tek	154534	
Agarose Type I, low EEO	Sigma-Aldrich	A6013	
anti-rabbit-HRP conjugated secondary antibody	Agilent	K4003	ready to use
Collagen Type I, Rat Tail, 100 mg	Millipore	08-115	
Collagenase Type 4, 1 g	Worthington	LS004188	
DMEM, fetal bovine serum	ThermoFisher	11965092, 16000044	referred to as "cell culture medium" in the protocols
Harris hematoxylin	ThermoFisher	SH30-500D	
HistoGel	ThermoFisher	HG-4000-012	referred to as "Hydroxyethyl agarose processing gel" in the protocols
Hoechst	Life Technologies	H1399	1/1000 dilution
Phalloidin 546	Invitrogen	486624	1/200 dilution
rabbit anti-CD8 antibody	Cell Signaling	98941	1/25 dilution
rat anti-keratin 8	DSHB	TROMA-I AB_531826	1/500 dilution
RNeasy Mini Kit	Qiagen	74104	referred to as "RNA extraction kit" in the protocols
RPMI	ThermoFisher	11875093	for T-cell culture medium
Triton X-100	BioRad	1610407	referred to as "Octoxynol" in the protocols
Trizol	ThermoFisher	15596026	referred to as "guanidinium thiocyanate with phenol" in the protocols
Tween 20	Sigma-Aldrich	P1379	referred to as "polysorbate 20" in the protocols
TypLE	ThermoFisher	12604013	referred to as "cell dissociation enzymes solution" in the protocols