

Materials List for:

Microfluidic Device for Recreating a Tumor Microenvironment *in Vitro*

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URL: <https://www.jove.com/video/2425>

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Materials

Name	Company	Catalog Number	Comments
Silicone elastomer kit	Ellsworth Adhesives	184 Sil Elast Kit	
Miltex biopsy punch	MedexSupply	MTX-33-31AA	1.5 mm
PTFE tubing	Cole-Parmer	EW-06417-31	0.032" ID
Male luer lock connector	Qosina	65111	
Barbed female luer lock connector	Qosina	11556	
Shut-off valve	Idex Health and Science	P-721	
Y-connector	Idex Health and Science	P-513	
20G 1.5" needles	BD Biosciences	305176	
Trypsin-EDTA	Invitrogen	25300-054	
HEPES	Sigma-Aldrich	H-4034	
CaspGLOW Fluorescein	Biovision Inc.	K183-25	
CaspGLOW Red	Biovision Inc.	K193-25	
Doxorubicin Hydrochloride	Sigma-Aldrich	44583	
LS174T	ATCC	CCL-188	Human Colon Carcinoma cell line
T47D	ATCC	HTB-133	Human Ductal Carcinoma cell line
MDA-MB-231	ATCC	HTB-26	Human Mammary Adenocarcinoma cell line