

Materials List for:

Single Plane Illumination Module and Micro-capillary Approach for a Wide-field Microscope

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Materials

Name	Company	Catalog Number	Comments
Microtiter plate	Orange Scientific	4430100	For cell spheroid growing
Agarose	Carl Roth GmbH	3810.1	For cell spheroid growing
MCF-7 cell line	CLS Cell Lines Service GmbH	300273	Cell line
U251-MG-L106 cell line			Cell line
DMEM	Biochrom AG (Merck Millipore)	FG0435	Culture medium
DMEM/Ham's F-12	Biochrom AG (Merck Millipore)	FG4815	Culture medium
FCS	Biochrom AG (Merck Millipore)	S0615	Cell culture supplement
Penicillin/streptomycin	Biochrom AG (Merck Millipore)	A 2213	Antibiotics
Hygromycin B	PAA Laboratories	P02-015	Antibiotic
EBSS	Sigma-Aldrich Inc.	E3024	Cell culture supplement
Doxorubicin	Sigma-Aldrich Inc.	D1515	Fluorescent dye (CAUTION: acute toxicity)
Green cytotoxicity dye	Promega GmbH	G8742	CellTox - fluorescent cytotoxicity dye
Rotenone	Sigma-Aldrich Inc.	R8875	Cellular inhibitor (CAUTION: acute toxicity)
Hydrogen peroxide (H ₂ O ₂)	Sigma-Aldrich Inc.	95302	Reagent for oxidation (CAUTION: acute toxicity)
Capillary	VitroCom	8260-050	Sample preparation
Microscope	Carl Zeiss Jena	Axiovert 200M	
AxioCam MRc CCD-camera	Carl Zeiss MicroImaging GmbH	426508-9901-000	CCD-camera
AxioVision data aquisition software	Carl Zeiss MicroImaging GmbH	version 4.8.2.	
Laser diode	Pico Quant GmbH	LDH-P-C-470	Used with driver PDL800-B
Peristaltic pump	Ismatec Labortechnik	MS-1 Reglo	Re-calibrated to reduce the minimum pump speed by 1/10
Silicone tubes	IDEX Health & Science GmbH	TYGON R3607	