

Materials List for

# Studying Cell Death Initiation Using a Digital Microscope

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## Citation

Arnšek, T., Golob, N., Marondini, N., Pompe-Novak, M., Gruden, K., Lukan, T. Studying Cell Death Initiation Using a Digital Microscope. *J. Vis. Exp.* (2011), e65824, doi:10.3791/65824 (2023).

## Date Published

November 10, 2023

## DOI

10.3791/65824

## URL

jove.com/video/65824

## Materials

Name	Company	Catalog Number	Comments
Alcohol burner	Mikro+Polo	SH-234002455	For tweezers and scalpel sterilization
Autoclave A-21 CAV	Kambič	N/A	
Bacto Agar	Becton, Dickinson and Company	214010	
Carborundum powder	VWR Chemicals	22505297	
DinoCapture 2.0	Dino-Lite	Version 2.0	software for digital microscope
Dino-Lite Edge AM7915MZTL digital microscope	AnMo Electronics Corporation	AM7915MZTL	
Ethanol, 70%	Stella Tech	P94000	For tweezers and scalpel sterilization
Extraction bags	Bioreba	420100	
Growth chamber FS-WI	Photon Systems Instruments	N/A	
Hand homogenizer	Bioreba	400010	
Hawita Special Substrate	HAWITA Gruppe	2000000071701	Ready to use substrate, made using peat (H4-H6 and H6-H8)
Hydrochloric acid (HCl)	Merck	109057	
Label tape	Sigma	L8144-5EA	
Laptop computer with installed DinoCapture 2.0	HP	Z2V77EA#BED	Computer needs to be transferable as experiment takes part in a growth chamber
Murashige and Skoog medium	Duchefa Biochemie	M02220100	
Na <sub>2</sub> HPO <sub>4</sub>	Emsure	1065860500	
NaH <sub>2</sub> PO <sub>4</sub>	Emsure	1064700250	
Pasteur pipette 0.5 mL	Brand	21500209	
pH-meter	Mettler Toledo	ML1601	
Plastic boxes	Cvetlice Dornig	VCG10.5	Radius = 10.5 cm
Plastic pots	Lab Associates	DIS40003	Radius = 11.5 cm (top), Radius = 9.8 cm (bottom)
Saccharose	Kemika d.d.	1800408	
Sodium Diethyldithiocarbamate (DIECA)	Sigma-Aldeich	228680	Sodium diethyldithiocarbamate trihydrate, ACS reagent
Sodium hydroxide (NaOH)	Merck	106462	

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Sterile surgical blades	Braun	4511733633	
Tweezers	Braun	BD033R	