

Materials List for:

# Evaluating Primary Blast Effects *In Vitro*

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URL: <https://www.jove.com/video/55618>

DOI: [doi:10.3791/55618](https://doi.org/10.3791/55618)

## Materials

Name	Company	Catalog Number	Comments
MEM α, nucleosides	ThermoFisher	22571020	
Fetal Bovine Serum, certified, US origin	ThermoFisher	16000044	Supplement to create complete growth media.
Dulbecco's Phosphate Buffered Saline	Sigma Aldrich	D8537	
Penicillin-Streptomycin	ThermoFisher	15070-063	Supplement to create complete growth media.
Trypsin-EDTA (0.5%), no phenol red	ThermoFisher	15400-054	Dilute 1 in 10 before use.
CytoOne T-75 Flask, TC-Treated, vented	Starlab	CC7682-4875	
TC Dish (PS) 35 mm, 8.5 cm <sup>2</sup>	Triple Red	TCD010035	
Petri dish (PS) 90 x 14.2 mm no vent	VWR UK	391-0453	
Gas Permeable Adhesive Plate Seals	ThermoFisher	AB-0718	
LIVE/DEAD Cell Imaging Kit (488/570)	ThermoFisher	R37601	
Alamarblue cell viability reagent	Fisher Scientific	13494309	
Virkon tablets	VWR UK	115-0020	Use to create 2% solution as viability control reagent.
Dumont forceps	SurgicalTools	11295-10	Use to remove coverslips from petri dish.
Cover glass, square	VWR UK	631-0125	
Microscope slides	VWR UK	631-1553	
96 Well plate, solid black	AppletonWoods	CC760	Plate to be used for fluorescence measurements.
96 Well plate, clear, (PS)	VWR UK	734-1799	Plate to be used for absorbance measurements.
Leica DMI1 Camera stand outfit	Leica Microsystems		Optical microscope used for cell culture.
Zeiss PALM MicroBeam Laser Capture Microdissection	Zeiss		Fluorescence microscope used for LIVE/DEAD imaging.
EnVision Multilabel Reader	PerkinElmer	2104-0010A	Plate reader to be used for fluorescence/absorbance readings.
Mylar Electrical & Chemical Insulating Film, 304 mm x 200 mm x 0.023 mm	RS Components	785-0782	Use to create shock tube diaphragm.
Mylar Electrical & Chemical Insulating Film, 304 mm x 200 mm x 0.05 mm	RS Components	785-0786	Use to create shock tube diaphragm.

Mylar Electrical & Chemical Insulating Film, 304 mm x 200 mm x 0.125 mm	RS Components	785-0798	Use to create shock tube diaphragm.
Current source power unit	Dytran Instruments Inc.	4103C	Power source for 2300V1 sensor.
IEPE Pressure Sensor	Dytran Instruments Inc.	2300V1	Pressure sensor located on shock tube.
Digital Phosphor Oscilloscope	Tektronix	DPO 4104B	Use to gather and save sensor 2300V1 data.