

Materials List for:

# Clonogenic Assay: Adherent Cells

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URL: <https://www.jove.com/video/2573>

DOI: [doi:10.3791/2573](https://doi.org/10.3791/2573)

## Materials

Name	Type	Company	Catalog Number	Comments
Keratinocyte-serum free medium	Growth medium	Invitrogen	17005042	Supplemented with 2mM L-glutamine, 20µg/ml gentamicin, epidermal growth factor, bovine pituitary extract.
Trypsin-EDTA		Invitrogen	15400-054	0.05% trypsin / EDTA to detach adherent cells; 10 x stock diluted in PBS w/o Ca <sup>2+</sup> /Mg <sup>2+</sup> .
Dulbecco's modified essential medium	Growth medium	Invitrogen	11885-084	Supplemented with 10% FBS and 20µg/ml gentamicin; used to neutralise trypsin/EDTA.
0.09% Saline	Solution			Used to wash colonies.
10% Neutral buffered formalin solution	Solution	Sigma-Aldrich	HT501128	~4% formaldehyde; used to fix colonies.
Crystal violet	Powder	SPI Supplies	02577-MB	0.01% crystal violet solution, prepared in dH <sub>2</sub> O, used to stain colonies.
Gammacell 1000 elite irradiator		Nordion International Inc.		
Petri dishes	60 x 15 mm	Falcon BD	353002	
Haemocytometer		Hawksley; Medical and Laboratory Equipment	AC1000	
Cloning box				Plastic box with holes punched at opposite sides of lid; for storing petri dishes during prolonged incubation for colony formation.
Stereomicroscope	Type 102	Nikon Instruments		Used to count colonies consisting of >50 cells.