

Materials List for:

Viability Assays for Cells in Culture

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Materials

Name	Company	Catalog Number	Comments
Cell Titer Glo	Promega	G7572	Buy in 100 ml quantities and aliquot, instead of purchasing the more expensive 10 ml quantity. Reconstituted, unused reagents can be refrozen at -20 °C for at least 21 weeks
18% Formalin	Thermo-Shandon	9990244	Buying this fixative avoids the weighing out of formaldehyde powders and boiling of the solution; exposure to vapors is thereby minimized
Sucrose	Sigma-Aldrich	S0389	It is not essential to add this to formaldehyde solutions but it improves the appearance of the fixed cells
Odyssey Block	LI-COR	927-40003	This fish serum can be bought in bulk and frozen at -20 °C for long term use
Triton-X 100	Sigma-Aldrich	21568	We store a stock solution of 10% Triton-X 100 in sterile water at 4 °C
Sodium Phosphate Monobasic	Fisher	S468	One can also buy PBS tablets or 10x PBS solutions, but they are more expensive
Sodium Phosphate Dibasic	Fisher	S373	See above
Sodium Azide (250x)	Ricca Chemical Company	7144.8-16	Do not buy the powder because sodium azide is very toxic. We store all our used antibodies in 1x sodium azide at 4 °C until they become contaminated with debris
Mouse anti- α -tubulin	Sigma-Aldrich	T5168	This antibody is expensive but can be greatly diluted and is highly specific
Mouse anti-MAP2	Sigma-Aldrich	M9942	This antibody is expensive but is highly specific (a prerequisite for In-Cell Westerns)
800 nm Goat anti-mouse IgG	LI-COR	926-32210	Other companies also sell infrared secondary antibodies. Be sure to purchase the highly cross-adsorbed antibodies and note that concentrations of IgGs may vary with the source
DRAQ5	Biostatus	DR50200	This compound used to be sold by LI-COR at 1 mM
Sapphire	LI-COR	928-40022	
Luminometer	PerkinElmer	VICTOR ³ 1420 multilabel counter	

Odyssey Imager	LI-COR	9201-01	
Shaker/Mixer	Research Products International	248555	