

Materials List for:

High-throughput Titration of Luciferase-expressing Recombinant Viruses

Vanessa Garcia^{1,2}, Ramya Krishnan^{1,2}, Colin Davis^{1,2}, Cory Batenchuk^{1,2}, Fabrice Le Boeuf^{1,3}, Hesham Abdelbary^{1,3}, Jean-Simon Diallo^{1,2}

¹Center for Innovative Cancer Research, Ottawa Hospital Research Institute

²Department of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa

³Faculty of Medicine, University of Ottawa

Correspondence to: Jean-Simon Diallo at jsdiallo@ohri.ca

URL: <https://www.jove.com/video/51890>

DOI: [doi:10.3791/51890](https://doi.org/10.3791/51890)

Materials

Name	Company	Catalog Number	Comments
Dulbeccos' Modified Eagle's Medium (DMEM)	Corning	SH30243.01	
Fetal bovine serum	NorthBio Inc.	NBSF-701	
Phosphate buffered saline	Corning	21-040-CV	
HEPES	Fisher Scientific	BP310-1	Prepare a 1 mM solution, pH 7.3
alamarBlue	AbD Serotec	BUF012B	
D-Luciferin potassium salt	Biotium	10101-2	
96-well solid white flat bottom polystyrene TC-treated microplates	Corning	3917	384-well plates can also be used for higher throughput
Synergy Mx	BioTek	SMTBL	Monochromator microplate reader
Liquidator96	Mettler Toledo	LIQ-96-200	96 tip manual pipetting system
Liquidator96 LTS Tips sterilized with filters	Mettler Toledo	LQR-200F	Any sterile filtered tips compatible with pipettors of choice are appropriate
Microflo	BioTek	111-206-21	Used to plate cells in a 96-well plate
Fluoroskan Ascent FL	Thermo Scientific	5210450	Microplate fluorometer