

Materials List for

# Fluorescent Leakage Assay to Investigate Membrane Destabilization by Cell-Penetrating Peptide

Karidia Konate<sup>1</sup>, Quentin Seisel<sup>1</sup>, Eric Vivès<sup>1</sup>, Prisca Boisguérin<sup>1</sup>, Sébastien Deshayes<sup>1</sup>

<sup>1</sup>PHYMEDEXP, INSERM U1046 - CNRS UMR 9214 - University of Montpellier

## Corresponding Author

Sébastien Deshayes  
sebastien.deshayes@inserm.fr

## Citation

Konate, K., Seisel, Q., Vivès, E., Boisguérin, P., Deshayes, S. Fluorescent Leakage Assay to Investigate Membrane Destabilization by Cell-Penetrating Peptide. *J. Vis. Exp.* (), e62028, doi:10.3791/62028 (2020).

## Date Published

December 19, 2020

## DOI

10.3791/62028

## URL

jove.com/video/62028

## Materials

Name	Company	Catalog Number	Comments
25 mL glass round-bottom flask	Pyrex		
8-aminonaphthalene-1, 3, 6-trisulfonic acid, disodium salt (ANTS)	Invitrogen	A350	Protect from light
Chloroform	Sigma-Aldrich	288306	
Cholesterol	Sigma-Aldrich	C8667	
DOPC (dioleoylphosphatidylcholine)	Avanti Polar	850375P	Protect from air
Extruder	Avanti Polar	610000	
Fluorimeter	PTI Serlabo		
50 µL glass syringe	Hamilton	705N	
HEPES	Sigma-Aldrich	H3375	
LabAssay Phospholipid	WAKO	296-63801	
liquid chromatography column	Sigma-Aldrich		
Methanol	Carlo Erba	414902	
Nuclepore polycarbonate membrane (0.1 µm pore size, 25 mm diameter)	Whatman	800309	
polystyrene cuvette, 10 x 10 x 45 mm	Greiner Bio-One	614101	
polystyrene semi-micro cuvette, DLS	Fisher Scientific	FB55924	
p-xylene-bispyridinium bromide (DPX)	Invitrogen	X1525	Protect from light
quartz fluorescence cuvette	Hellma	109.004F-QS	
rotavapor system	Heidolph	Z334898	
Sephadex G-50 resin	Amersham	17-0042-01	
Sodium azide (NaN <sub>3</sub> )	Sigma-Aldrich	S2002	
Sodium chlorid (NaCl)	Sigma-Aldrich	S5886	
Sonicator bath USC300T	VWR	142-6001	
Sphingomyelin	Avanti Polar	860062P	Protect from air
Triton X-100	Eromedex	2000-B	
Zetaziser NanoZS	Malvern	ZEN3500	