

Materials List for

# In Vivo Imaging of Transduction Efficiencies of Cardiac Targeting Peptide

Kyle S. Feldman<sup>1</sup>, Maliha Zahid<sup>1</sup>

<sup>1</sup>Department of Developmental Biology, University of Pittsburgh School of Medicine

## Corresponding Author

Maliha Zahid  
maz7@pitt.edu

## Citation

Feldman, K.S., Zahid, M. In Vivo Imaging of Transduction Efficiencies of Cardiac Targeting Peptide. *J. Vis. Exp.* (), e60895, doi:10.3791/60895 (2020).

## Date Published

June 11, 2020

## DOI

10.3791/60895

## URL

jove.com/video/60895

## Materials

Name	Company	Catalog Number	Comments
10% Buffered Formalin Phosphate	ThermoFisher	SF100-4	
10x Tris Buffered Saline (TBS)	ThermoFisher	BP2471-1	
12-well Cell Culture Plate	ThermoFisher	353043	
1x TBS Solution			10x TBS is diluted 1:10 with deionized water. This solution can be stored at room temperature.
20 mL Scintillation Vials	Wheaton	334173	
26G Needles	Becton Dickinson	305110	
28G 0.5ml Insulin syringes	Becton Dickinson	329461	
3mL Syringe	Becton Dickinson	309657	
CD1 Mice	Charles River	022	6 to 12 week old albino, female mice
Cover Glass	ThermoFisher	12-544-14	
Cy5.5-CTP-amide			Prepared by peptide synthesis, conjugated with Cy5.5 fluorophore, and purified using HPLC. Lyophilized powder is reconstituted in DMSO at 10mM concentration. After reconstituting, store at -80 °C.
Dapi Fluoromount G	SouthernBiotech	0100-20	
Dumont #5 Forceps	Fine Science Tools	99150-20	
Ethanol			
Extra Fine Bonn Scissors	Fine Science Tools	14084-08	
Ketamine HCl 100mg/mL	KetaVed	NDC 50989-161-06	
Ketamine/Xylazine Solution			Ketamine HCl is mixed with Xylazine 1:1 to produce a stock solution containing 50mg/mL ketamine and 10mg/mL Xylazine. This solution is made fresh before each use.
Leica RM2235 Rotary Microtome	Leica	RM2235	
Microscope Slides	ThermoFisher	B9992000TN	
Paraplast X-TRA	Sigma	P3808-1KG	
Perkin Elmer Lumina S5 IVIS	Perkin Elmer	CLS148588	

Sparkle Optical Lens Cleaner	ThermoFisher	NC0090079	
Tissue-Tek Processing/Embedding Cassettes	ThermoFisher	NC9499605	
Tissue-Tek VIP Processing machine	Tissue-Tek	VIP 5A-F1	
Xylazine 20 mg/mL	AnaSed	NDC 59399-110-20	
Xylenes	ThermoFisher	X5-4	