

Materials List for:

Nanoparticle-Mediated siRNA Gene-Silencing in Adult Zebrafish Heart

Chenglu Xiao¹, Fang Wang², Junjie Hou¹, Xiaojun Zhu¹, Ying Luo², Jing-Wei Xiong¹

¹Beijing Key Laboratory of Cardiometabolic Molecular Medicine, State Key Laboratory of Natural and Biomimetic Drugs, Institute of Molecular Medicine, Peking University

²Department of Biomedical Engineering, College of Engineering, Peking University

Correspondence to: Jing-Wei Xiong at jingwei_xiong@pku.edu.cn

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Materials

Name	Company	Catalog Number	Comments
tricaine	Sigma	E10521	Store at 4°C
stereomicroscope	Leica	S8AP0	
sharp forcep	WPI	14098	
iridectomy scissors	WPI	501778	
elbow tweezers	Suzhou Liuliu	SE05Cr	
α,ω-dipyridyl disulfido polyethylene glycol(Py-PEG-Py)	Biomatrik (Jiaxing) Inc.	5239	
core of G4.0 polyamidoamine (PAMAM)	Andrews ChemServices	AuCS-297	
vacuum drying equipment	Yiheng	DZF-6020	
Dulbecco's phosphate-buffered saline (DPBS)	Gibco	14190144	
tris(2-carboxyethyl)phosphine(TCEP)	Alfar Aesar	51805-45-9	Causes severe skin burns and eye damage. Causes serious eye damage.
ultrafiltration tube	Millipore	UFC900308	
freeze dryer	Martin Christ	Alpha 2-4 Ldplus	
NMR spectrometer	Bruker	AV400	
Deuterium oxide(D ₂ O)	J&K	174611	
NMR sample tube	J&K	WG-1000-7-50	
3 kDa MWCO ultrafiltration tube	Merck	UFC900308	
sea salts	Instant Ocean®	SS15-10	