

Materials List for:

Generation of Cationic Nanoliposomes for the Efficient Delivery of *In Vitro* Transcribed Messenger RNA

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TODO, TODO

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URL: <https://www.jove.com/video/58444>

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Materials

Name	Company	Catalog Number	Comments
(3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide (MTT))	AppliChem, Darmstadt, Germany	A2231	
(3β-[N-(N',N'-dimethylaminoethane)-carbamoyl]cholesterol hydrochloride (DC-Cholesterol))	Avanti, Alabama, USA	700001	
4',6-diamidino-2-phenylindole (DAPI)	Thermo Fisher Scientific, Darmstadt, Germany	D1306	
BD FACScan system	BD Biosciences, Heidelberg, Germany		
Cell Fix (10x)	BD Biosciences, Heidelberg, Germany	340181	
Chloroform	Merck, Darmstadt, Germany	102445	
Dimethyl sulfoxid (DMSO)	Serva Electrophoresis GmbH, Heidelberg, Germany	20385.02	
Dioleoyl phosphatidylethanolamine (DOPE)	Avanti, Alabama, USA	850725	
Fluorescence microscope	Zeiss Axio, Oberkochen, Germany		
Lipofectamine 2000	Thermo Fisher Scientific, Darmstadt, Germany	11668019	
Mini extruder	Avanti, Alabama, USA		
Nuclease-free water	Qiagen, Hilden, Germany	129114	
Opti-Mem	Thermo Fisher Scientific, Darmstadt, Germany	11058021	
PBS buffer (w/o Ca ²⁺ /Mg ²⁺)	Thermo Fisher Scientific, Darmstadt, Germany	70011044	
Quant-iT Ribo Green RNA reagent kit	Thermo Fisher Scientific, Darmstadt, Germany	Q33140	
RPMI (w/o phenol red)	Thermo Fisher Scientific, Darmstadt, Germany	11835030	
Silica gel	Carl Roth, Karlsruhe, Germany	P077	
Trypsin/EDTA (0.05%)	Thermo Fisher Scientific, Darmstadt, Germany	25300054	
HotStar HiFidelity Polymerase Kit	Qiagen, Hilden, Germany	202602	
QIAquick PCR Purification Kit	Qiagen, Hilden, Germany	28104	
Pseudouridine-5'-Triphosphate (Ψ-UTP)	TriLink Biotechnologies, San Diego, USA	N-1019	
5-Methylcytidine-5'-Triphosphate (Methyl-CTP)	TriLink Biotechnologies, San Diego, USA	N-1014	
Cyanine 3-CTP	PerkinElmer, Baesweiler, Germany	NEL580001EA	

RNeasy Mini Kit	Qiagen, Hilden, Germany	74104	
MEGAscript T7 Transcription Kit	Thermo Fisher Scientific, Darmstadt, Germany	AM1333	
3'-O-Me-m ⁷ G(5')ppp(5')G RNA Cap Structure Analog	New England Biolabs, Ipswich, USA	S1411L	
Antarctic Phosphatase	New England Biolabs, Ipswich, USA	M0289S	
Agarose	Thermo Fisher Scientific, Darmstadt, Germany	16500-500	
GelRed	Biotium, Fremont, USA	41003	
peqGOLD DNA ladder mix	VWR, Pennsylvania, USA	25-2040	
Invitrogen 0.5-10kb RNA ladder	Fisher Scientific, Göteborg, Sweden	11528766	