

Materials List for
Formulating an mRNA Vaccine Candidate Utilizing Polymeric Nanoparticles

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URL: <https://www.jove.com/video/22266>

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Materials

Name	Company	Catalog Number	Comments
1,4-butanediol diacrylate	Sigma Aldrich	123048	
1-hexylamine	Sigma Aldrich	219703	
5-amino-1-pentanol	Sigma Aldrich	411744	
Acetone	Panreac	141007	
Chlor hydroxhyde	Panreac	181023	
Chloroform-d	Sigma Aldrich	151823	
Cys-His-His-His peptide	Ontores	Custom	
Cys-Lys-Lys-Lys peptide	Ontores	Custom	
D2O	Sigma Aldrich	151882	
DEPC reagent for Rnase free water	Sigma Aldrich	D5758	This reagent is important to treat MilliQ water to remove any RNases of the buffers
Diethyl ether	Panreac	212770	
Dimethyl sulfoxide	Sigma Aldrich	276855	
HEPES	Sigma Aldrich	H3375	
mRNA EGFP	TriLink Technologies	L-7601	
RiboGreen kit	ThermoFisher	R11490	
Sodium acetate	Sigma Aldrich	71196	
Sucrose	Sigma Aldrich	S0389	
Trifluoroacetic acid	Sigma Aldrich	302031	