

Materials List for:

Nanosensors to Detect Protease Activity *In Vivo* for Noninvasive Diagnostics

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URL: <https://www.jove.com/video/57937>

DOI: [doi:10.3791/57937](https://doi.org/10.3791/57937)

Materials

Name	Company	Catalog Number	Comments
0.2 µm syringe filters	VWR	4652	
18G needle	VWR	89134-024	
15 mL conicals	VWR	89039-670	
250 mL Erlenmeyer flask	VWR	89000-362	
Stir bar	VWR	58949-006	
Hot Plate/Magnetic Stirrer	VWR	97042-634	
Glacial acetic acid	VWR	97064-482	
Albumin from Bovine Serum (BSA)	Thermo Fisher	A13100	
Iron (III) chloride hexahydrate	Sigma	236489	
Iron (II) chloride tetrahydrate	Sigma	44939	
Epichlorohydrin	Sigma	45340-500ML-F	
DMF	Sigma	D4551	
Ammonium Hydroxide	Sigma	320145-500ML	
Sodium Hydroxide pellets	Sigma	221465-500G	
EDTA	Sigma	E9884	
Sodium Borate	Sigma	B9876	
L-Cysteine	Sigma	168149-100G	
Tris-HCl	Sigma	T5941	
Tris base	Sigma	T6066	
PBS tablets	Sigma	P4417	
Dextran	Pharmacosmos	5510 0020 9006	
Amicon 15 mL 10k filters, 24 pk	Millipore	UFC901024	
Amicon 15 mL 30k filters, 24 pk	Millipore	UFC903024	
Amicon 15 mL 100k filters, 24 pk	Millipore	UFC910024	
Zetasizer Nano ZS	Malvern Panalytical	NanoZS	
Slide-A-Lyzer Dialysis Cassette	LifeTech	66130	
Dynabeads MyOne Tosylactivated	LifeTech	65501	
SIA	Life Tech	22349	
PEG 20k	Laysan Bio	MPEG-SH-20K-1g	
Fluorescein Antibody [2A3]	GeneTex	GTX10257	
Hiload 16/600 superdex 200	GE Healthcare	45-002-490	
Plate Reader	Fisher	BTCYT5M	

BD Insulin Syringes	Fisher	NC0872854	
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