

Materials List for

# Naked-Eye Detection of Rare Point Mutations in DNA

Gayatri Udayan<sup>\*1,2</sup>, Alessandra Marsella<sup>\*1,2</sup>, Paola Valentini<sup>3</sup>

<sup>1</sup>Center for Bio-Molecular Nanotechnologies, Istituto Italiano di Tecnologia (IIT) <sup>2</sup>Department of Engineering for Innovation, University of Salento <sup>3</sup>Center for Human Technologies (CHT), Central RNA Laboratory, Istituto Italiano di Tecnologia (IIT)

\*These authors contributed equally

## Corresponding Author

**Paola Valentini**  
Paola.Valentini@iit.it

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jove.com/video/61514

## Materials

Name	Company	Catalog Number	Comments
Bench Top Centrifuge- Allegra X 30	Beckman Coulter	A99473	
DL-Dithiothreitol	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	D0632-25G	
Dynabeads M-280 streptavidin paramagnetic microparticles	Invitrogen	11205D	
Hydroxylamine sulfate	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	379913-25G	
KDS 100 Legacy Syringe Pump	kdScientific	789100	
NanoDrop OneC spectrophotometer	Thermo Fisher Scientific Inc., Waltham, MA, USA)		
Phosphate Buffered Saline	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	806552-500ML	
Pierce™ TCEP-HCl, No-Weigh™ Format	Thermo Fisher Scientific Inc., Waltham, MA, USA)	A35349	
Polyethylene glycol 600	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	202401	
PTFE 0,22 µm filters, Fluoropore	Millipore	FGLP04700	
Quant-iT™ OliGreen™ ssDNA Assay Kit	Thermo Fisher Scientific Inc., Waltham, MA, USA)	O11492	
Sodium citrate dihydrate	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	W302600	
Synthetic oligonucleotides	Integrated DNA Technologies, Inc. (IDT DNA)		
Tetrachloroauric(III) acid	Sigma-Aldrich/ Merck KGaA, Darmstadt, Germany	520918	
Thiolated polyT DNA probes	Integrated DNA Technologies, Inc. (IDT DNA)		
Transmission electron microscopy (TEM)	JEOL JEM 1011 microscope		
Zetasizer Nano S - Dynamic Light Scattering System	Malvern Panalytical		