

Materials List for: DNA Stable-Isotope Probing (DNA-SIP)

Eric A. Dunford¹, Josh D. Neufeld¹

¹Department of Biology, University of Waterloo

Correspondence to: Josh D. Neufeld at jneufeld@uwaterloo.ca

URL: <https://www.jove.com/video/2027>

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Materials

Name	Type	Company	Catalog Number	Comments
Bromophenol Blue	Reagent	Fisher Scientific	BP115-25	
Cesium chloride	Reagent	Fisher Scientific	BP210-500	
Ethanol, reagent grade	Reagent	Sigma-Aldrich	652261	
Ethidium bromide	Reagent	Sigma-Aldrich	E1510	
Hydrochloric acid	Reagent	Fisher Scientific	351285212	
Linear polyacrylamide	Reagent	Applichem	A6587	
Polyethylene Glycol 6000	Reagent	VWR international	CAPX1286L-4	
Potassium Chloride	Reagent	Fisher Scientific	AC42409-0010	
Sodium Chloride	Reagent	Fisher Scientific	S2711	
Sodium Hydroxide pellets	Reagent	Fisher Scientific	S3181	
Tris base	Reagent	Fisher Scientific	BP1521	
Dark Reader	Equipment	Clare Chemical	DR46B	
Microcentrifuge	Equipment	Eppendorf	5424 000.410	
Nanodrop 2000	Equipment	Fisher Scientific	361013650	
Infusion pump	Equipment	Braintree Scientific, Inc.	N/A	Model Number: BSP See www.braintreesci.com for ordering details.
Tube sealer	Equipment	Beckman Coulter Inc.	358312	
Ultracentrifuge	Equipment	Beckman Coulter Inc.		
Ultracentrifuge rotor	Equipment	Beckman Coulter Inc.	362754	
Ultraviolet light source	Equipment	UVP Inc.	95-0017-09	Any UV source will suffice
Ultraviolet light face shield	Equipment	Fisher Scientific	114051C	
Butyl rubber stoppers, gray	Material	Sigma-Aldrich	27232	
Centrifuge tubes	Material	Beckman Coulter Inc.	342412	
Hypodermic needle, 23 gauge, 2" length	Material	BD Biosciences	305145	
Microfuge tubes, 1.5 mL	Material	DiaMed	AD151-N500	
Open center seals, 20 mm diameter	Material	Sigma-Aldrich	27230-U	
Pasteur pipettes, glass	Material	Fisher Scientific	13-678-6C	
Pipet tips	Material	DiaMed	BPS340-1000	Catalogue number is for 200 µl tips. 10 or 20 µl tips may be purchased from the same source
Pump tubing 1.5 mm bore x 1.5 mm wall	Material	Appleton Woods		
Screw-cap tubes, 15 mL	Material	DiaMed	AD15MLP-S	

Serum vials, 125 mL volume	Material	Sigma-Aldrich	Z114014	
Syringe, 60 mL	Material	BD Biosciences	309653	