

Materials List for:

# DNA Extraction from 0.22 $\mu$ M Sterivex Filters and Cesium Chloride Density Gradient Centrifugation

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URL: <https://www.jove.com/video/1352>

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## Materials

Name	Company	Catalog Number	Comments
1 cc syringe (26G5/8 needle)	BD Biosciences	309597	
1 ml syringe (26G5/8 needle)	BD Biosciences	309597	
1.5ml eppendorf tubes	Eppendorf	0030 125.150	
15ml tubes	Sigma-Aldrich	CLS430791	
5cc syringe	BD Biosciences	309603	
Amicon® Ultra-4 Centrifugal Filter Devices	EMD Millipore	UFC801096	10,000 Nominal molecular weight limit
Butanol	Fisher Scientific	A383-1	Make it water saturated (butanol:water = 1:1)
Centrifuge rotor, JA5.3	Beckman Coulter Inc.	368690	
Centrifuge, Avanti® J-E	Beckman Coulter Inc.	369003	
Cesium chloride	Sigma-Aldrich	C4036	
Chloroform:IAA (24:1)	Sigma-Aldrich	25666-500ML	
Ethidium Bromide (EtBr)	Sigma-Aldrich	E1510-10ml	
Ethylenediaminetetraacetic acid disodium salt dihydrate	Sigma-Aldrich	E5134	
Hybridization oven	Fisher Scientific	13-247-10	37°C & 55°C
Lysis Buffer			0.75 M sucrose, 40 mM EDTA, 50 mM Tris (pH 8.3)
Lysozyme	Sigma-Aldrich	L6876-5G	125 mg in 1000 $\mu$ l TE
Microcon® Ultracel YM-30 Centrifugal Filter Unit	EMD Millipore	42410	50 bp cut off
Parafilm	Fisher Scientific	13-374-10	
Phenol:Chloroform:IAA (25:24:1)	Sigma-Aldrich	77617-500ML	
Proteinase K	Qiagen	19133	
RNase A	Fisher Scientific	BP2539-100	10 $\mu$ g/ml
Safe Imager™ Blue light transilluminator	Invitrogen	S37102	
Sodium Dodecyl Sulfate (SDS)	Sigma-Aldrich	L4509	20% SDS
Sterivex filters	Fisher Scientific	SVG010RS	
Sucrose	Sigma-Aldrich	S0389	
Table top centrifuge	Eppendorf	5415D	
TE buffer, pH 8.0			
Trizma® base	Sigma-Aldrich	T1503	
Ultracentrifuge rotor, TLA 100	Beckman Coulter Inc.	343847	
Ultracentrifuge tube (7X20mm, PC)	Beckman Coulter Inc.	343775	

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Ultracentrifuge tube rack	Beckman Coulter Inc.	348302	
Ultracentrifuge, Optima® Max	Beckman Coulter Inc.		