

Materials List for:

## Extraction of High Molecular Weight DNA from Microbial Mats

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URL: <https://www.jove.com/video/2887>

DOI: [doi:10.3791/2887](https://doi.org/10.3791/2887)

### Materials

Name	Company	Catalog Number	Comments
β-mercapt-ethanol	Sigma-Aldrich	M3148	
Polyethylene glycol 8000	Promega Corp.	V3011	20% in 1.2 M NaCl
Potassium acetate	Fisher Scientific		Fisher Scientific
Quant-iT dsDNA Assay kit	Invitrogen	Q33130	
RNase	Epicentre Biotechnologies	MRNA092	
Sodium Chloride	VWR	BDH8014	Appropriate conc.
Sodium Dodecyl Sulfate	Fisher Scientific	03-500-509	10% in water
sodium hexametaphosphate	EMD Millipore	SX0583-3	2% in water
TBE	Fisher Scientific	BP1333-1	
CHEF Mapper XA System	Bio-Rad	170-3670	
NanoDrop 1000 spectrophotometer	Thermo Fisher Scientific, Inc.	ND-1000	
Vortexer	Scientific Industries Inc.		
Ultraviolet Crosslinker	UVP Inc.		
Waring blender	Waring Laboratory	LB10S	