

Materials List for:

Extracting DNA from the Gut Microbes of the Termite (*Zootermopsis Angusticollis*) and Visualizing Gut Microbes

Eric Matson¹, Elizabeth Ottesen¹, Jared Leadbetter¹

¹Department of Environmental Science and Engineering, California Institute of Technology - Caltech

Correspondence to: Jared Leadbetter at jleadbetter@caltech.edu

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Materials

Name	Type	Company	Catalog Number	Comments
PVPP/SDS/phenol	Buffer			homogenization buffer
DNeasy Tissue Kit	Kit	Qiagen	77607	Used according to the protocol for isolation of genomic DNA from crude lysates (Appendix H, product manual version: July 2003)
TE	Buffer	Sigma-Aldrich	T9285	1x buffer (1 mM Tris-HCl, 0.1 mM EDTA, pH 8.0) from 100x concentrate
zirconia/silica beads	Supplies	Biospec Products	11079101z	0.1 mm
PVPP	Reagent	Sigma-Aldrich	P6755	1% w/v polyvinylpyrrolidone prepared from dry reagent as a 1x suspension in TE buffer
<i>Zootermopsis nevadensis</i>	Animal			Termites
SDS	Reagent	Sigma-Aldrich	L4390	Sodium dodecyl sulfate 20% soln. in water from dry reagent
Phenol	Reagent	Sigma-Aldrich	77607	TE-saturated, ~73%
MiniBeadbeater-8	Tool	Biospec Products	963	
BSS	Buffered Salt Solution, pH 7.2			Formulation per liter: 2.5 g K ₂ HPO ₄ , 1.0 g KH ₂ PO ₄ , 1.6 g KCl, 1.4 g NaCl, 0.075 g CaCl ₂ , 1 g MgCl ₂ , and 10 mL of a 1M soln. of NaHCO ₃
AxioPlan-2	Microscope	Carl Zeiss, Inc.		Outfitted with 40x objective, 1.6x optivar and 10x ocular lenses. Samples were viewed using phase contrast illumination