

Materials List for:

Effective Lysis of Cyanobacterial and Green Algal Single Cells for Whole Genome Amplification in Microfluidics

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Materials

Name	Company	Catalog Number	Comments
DTT	Bio-rad	1610611	
EDTA	Thermo Fisher	15575020	pH 8.0
Lysozyme	Epicentre	R1804M	
MATLAB			microfluidic user interface
Microscope	Nikon		Eclipse/Ti
Nuclease-free water	Thermo Fisher	AM9938	
Optical Tweezers	Thorlabs	OTM 211	
PBS	Thermo Fisher	10010023	pH 7.4
PDMS	Dow Corning	Sylgard 184	
Pluronic F-127	Sigma Aldrich	9003116	
Single cell WGA kit	Qiagen	150343	Include D2 buffer and neutralization buffer
Tapestation	Agilent	2200	
Tween 20	Sigma Aldrich	9005-64-5	