

Materials List for:

A Toolkit to Enable Hydrocarbon Conversion in Aqueous Environments

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Materials

Name	Company	Catalog Number	Comments
<i>E. coli</i> K12	New England Biolabs	C2523H	
Octane	Fluka	74822	
Hexadecane	Fluka	52209	
octanol-1	Fluka	95446	
dodecanol-1	Sigma-Aldrich	126799	
Hexane	Sigma-Aldrich	296090	
NADH	Sigma-Aldrich	N4505	
FMN	Sigma-Aldrich	F2253	
MgSO4	J.T. Baker Casno	7487 889	
Triton X-100	Sigma-Aldrich	T8787	
T4 ligase	New England Biolabs	M0202L	
Gas chromatograph			
Cell disrupter	LA Biosystems	CD-019	
Spectrophotometer	Amersham pharmacia	spec 2000	
Plate reader	Tecan Group Ltd.	Magellan v7.0	
Incubator	Innova, 44		
BioBrickTM K398014: BBa_J23100-BBa_J61100- <i>alkB2</i> - BBa_J61100- <i>rubA3</i> - BBa_J61100- <i>rubA4</i> - BBa_J61100- <i>rubB</i>	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398014	Alkane Hydroxylase System Resistance: Chloramphenicol
BioBrickTM K398027: BBa_R0040- BBa_B0034- <i>ladA</i>	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398027	<i>ladA</i> Protein Generator Resistance: Chloramphenicol
BioBrickTM K398018: BBa_J23100-BBa_J61101- <i>ADH</i>	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398018	ADH generator Resistance: Chloramphenicol
BioBrickTM K398030: BBa_R0040- BBa_B0034- <i>ALDH</i>	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398030	ALDH generator Resistance: Chloramphenicol
BioBrickTM K398326: <i>pCaiF</i>	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398326	<i>pCaiF</i> promoter Resistance: Chloramphenicol
BioBrickTM K398331: <i>pCaiF</i> - BBa_B0032-BBa_I13401	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398331	<i>pCaiF</i> measurement device Resistance: Chloramphenicol

BioBrick™ K398406: BBa_J23002- BBa_J61107- <i>phPFD</i> α - BBa_J61107-	Delft University of Technology at the department of Biotechnology or Registry of Standard Biological Parts	BBa_K398406	Solvent tolerance cluster Resistance: Chloramphenicol
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