

Materials List for:

A Tandem Liquid Chromatography–Mass Spectrometry-based Approach for Metabolite Analysis of *Staphylococcus aureus*

David J. Samuels¹, Zhe Wang², Kyu Y. Rhee^{2,3}, Shaun R. Brinsmade¹

¹Department of Biology, Georgetown University

²Division of Infectious Diseases, Weill Cornell Medical College

³Department of Medicine, Weill Cornell Medical College

Correspondence to: Shaun R. Brinsmade at Shaun.Brinsmade@georgetown.edu

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Materials

Name	Company	Catalog Number	Comments
Material/Equipment^a			
DeLong Culture Flask (250 mL)	Belco	2510-00250	
Sidearm Flask, 500 mL	Pyrex	5340	
3-hole Rubber Stopper, #7	Fisher	14-131E	
Stainless Steel Filter holder/frit	VWR	89428-936	
Petri Dish, 35 mm	Corning	430588	Not tissue culture treated
Mixed cellulose ester membrane, 0.22 µm pore size	Millipore	GSWP02500	
Impact-resistant tubes, 2 mL	USA Scientific	1420-9600	
Silica Beads, 0.1 mm	Biospec Products Inc	11079101Z	
Precellys 24 homogenizer	Bertin Instruments	EQ03119-200-RD000.0	
Micro BCA Protein Assay Kit	Pierce (Thermo Scientific)	23235	
Cogent Diamond hydride type C column	Agilent	70000-15P-2	
Accurate-Mass Time-of-Flight (TOF) LC-MS, 6200 Series	Agilent	G6230B	
Quat Pump, 1290 Series	Agilent	G4204A	
Bin Pump, 1290 Series	Agilent	G4220A	
Valve Drive, 1290 Series	Agilent	G1107A	
Isocratic Pump, 1290 Series	Agilent	G1310B	
TCC, 1290 Series	Agilent	G1316C	
Sampler, 1290 Series	Agilent	G4226A	
Thermostat, 1290 Series	Agilent	G1330B	
Chemical			
Tryptic Soy Broth	Becton Dickinson	211825	
Difco Agar, Granulated	Becton Dickinson	214530	Solid media contains 1.5% [w/v] agar
Phosphate-buffered saline (pH 7.4) 10x	Ambion	AM9624	Dilute fresh to 1x with ultra-pure water
Acetonitrile	Fisher Scientific	A955-500	Optima LC-MS
Methanol	Fisher Scientific	A456-500	Optima LC-MS; toxic
Formic Acid	Sigma Aldrich	94318	For mass spectrometry, 98%
Software			
MassHunter	Agilent	G3337AA	

Bacterial Strain	Species	Strain	Genotype
SRB 337	Staphylococcus aureus	USA200 MSSA UAMS-1	wild type
SRB 372	Staphylococcus aureus	USA200 MSSA UAMS-1	Δ codY::erm

^aChemicals and materials listed are specific to the method described and do not include standard laboratory chemicals or supplies.