

Materials List for:

# Characterizing Bacterial Volatiles using Secondary Electrospray Ionization Mass Spectrometry (SESI-MS)

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URL: <https://www.jove.com/video/2664>

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## Materials

Name	Type	Company	Catalog Number	Comments
API-3000 Triple Quadrupole	Instrument	SCIEX		Purchased with Analyst 1.4.2 (Applied Biosystems)
SESI Ion Source	Instrument			Custom-made; See reference 6
Gas flow meter	Equipment	Cole-Parmer	EW-03217-74	
Carbon dioxide	Equipment	Airgas	CD I300	≥ 99.99% pure
Nitrogen	Equipment	Airgas	NI UHP300	Ultra high purity
100 mL glass media bottles	Equipment	VWR international	89012-114	GL45 screw threads
Bottle caps with luer ports	Equipment	Bio Chem Fluidics	00945T-3	Cap assembly
Luer port plugs	Equipment	Bio Chem Fluidics	009LP	Cap assembly
Tubing 1/4" (OD) x 1/8" (ID)	Equipment	Cole-Parmer	EW-95875-02	Cap assembly & gas transfer lines
Tubing 1/8" (OD) x 1/16" (ID)	Equipment	Cole-Parmer	EW-06605-27	Cap assembly
Two-way valves	Equipment	Cole-Parmer	07391-04	Cap assembly
Filter, Grade AAQ	Equipment	Balston Filters	9922-05	
Formic acid, LC/MS grade	Reagent	Fisher Scientific	A117-05AMP	Electrospray solution
Methanol, LC/MS grade	Reagent	Fisher Scientific	A456-500	Electrospray solution
Water, LC/MS grade	Reagent	Fisher Scientific	W6-500	Electrospray solution