

Materials List for:

Real-time Breath Analysis by Using Secondary Nanoelectrospray Ionization Coupled to High Resolution Mass Spectrometry

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Materials

Name	Company	Catalog Number	Comments
Ultrapure water	Merck Millipore, USA	MPGP04001	Resistance>18.2 MΩ·cm
Formic acid	Sigma-Aldrich, USA	F0507	Corrosive to the respiratory tract.
Nitrogen gas	Guangzhou Shiyuan Gas Co. Ltd., China	N.A. ^a	Purity>99.99%
Q Exactive hybrid quadrupole-orbitrap mass spectrometer	Thermo Scientific, USA	02634L(S/N)	Beware of high voltage and high temperature
NanoESI source	Thermo Scientific, USA	ES002373(S/N); ES071(P/N)	Beware of high voltage and high temperature
Nano LC pump	Thermo Scientific, USA	5041.0010A(P/N)	/
Xcalibur software (Version 3.0)	Thermo Scientific, USA	BRE0008596	/
Dino-Lite Digital Microscope	Tech Video System (SuZhou) Co.Ltd., China	CQ401833R(S/N)	/
Nafion tubing	Perma Pure LLC, USA	ME60	/
PTFE tubing (I.D. 4 mm)	Dongguan Hongfu Insulating Material Co. Ltd., China	N.A.	Beware of the possible loss of polar compounds
Mass flow controller	Line-Tech, Korea	M15122007 (S/N)	/
Flow meter	Yuyao Industrial Automation Meter Factory, China	40784	/
^a N.A.: not available.			