

Materials List for

Gas Chromatography-Mass Spectrometry Paired with Total Vaporization Solid-Phase Microextraction as a Forensic Tool

Kymeri E. Davis^{*1}, John V. Goodpaster^{*1,2}

¹Department of Chemistry & Chemical Biology, Indiana University - Purdue University Indianapolis ²Forensic & Investigative Sciences Program, Indiana University - Purdue University Indianapolis

*These authors contributed equally

Corresponding Author

John V. Goodpaster

jvgoodpa@iu.edu

Citation

Davis, K.E., Goodpaster, J.V. Gas Chromatography-Mass Spectrometry Paired with Total Vaporization Solid-Phase Microextraction as a Forensic Tool. *J. Vis. Exp.* (171), e61880, doi:10.3791/61880 (2021).

Date Published

May 25, 2021

DOI

10.3791/61880

URL

jove.com/video/61880

Materials

Name	Company	Catalog Number	Comments
10 µL Syringe	Gerstel	100111-014-00	
BSTFA + 1% TMCS (10 x 1 GM)	Regis Technologies Inc.	50442882	
eVol XR Sample Dispensing System Kit	ThermoFisher Scientific	66002-024	
γ-Butyrolactone (GBL)	Sigma-Aldrich	B103608-26G	
γ-Hydroxy Butyric Acid (GHB)	Cayman Chemicals	9002506	
Headspace Screw-Thread Vials, 18 mm	Restek	23083	
Magnetic Screw-Thread Caps, 18 mm	Restek	23091	
Optima water for HPLC	Fisher Chemical	W71	
SPME Fiber Assembly Polydimethylsiloxane (PDMS)	Supelco	57341-U	
SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)	Supelco	57293-U	
Topaz 2.0 mm ID Straight Inlet Liner	Restek	23313	