

Materials List for:

Standardized Method for Measuring Collection Efficiency from Wipe-sampling of Trace Explosives

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Materials

Name	Company	Catalog Number	Comments
Slip/Peel Tester	Imass	TL-2300	replaces TL-2200 used in protocol
3D printer	Stratasys	Connex500	VeroWhite resin as printing material
steel rod with thread	McMaster-Carr	7786T14	cut to size for desired weight, multiple online vendors available
felt or rubber			backing material in wipe holder, multiple online vendors available
PTFE substrate	SPI Supplies	01426-AB	1" wide Bytac Bench and Shelf protector, Al-backed, cut to size
RDX solution	Cerilliant Analytical Reference Standards	ERR-001S	1,000 mg/mL in acetonitrile
Inkjet printer	MicroFab Technologies, Inc.	jetlab4 xl-B	
Isotopically tagged RDX	Cambridge Isotope Laboratories	CLM-3846-S	For internal analytical standard
2 mL glass vial	Restek	21140 /24670	
Methanol	Sigma Aldrich	14262	Chromasolv grade
ETD wipe 1	DSA Detection	DSW8055P	Ionscan 500 DT wipe
ETD wipe 2	DSA Detection	ST1318P	Itemiser DX wipe
Ballistic nylon fabric	Seattle Fabrics	1050 Denier Ballistics	
Synthetic leather fabric			contact authors for sample