

SP1-12 Sample Preparation Kit

for rapid sample extraction and rapid extract cleanup by liquid phase oxidation

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A. Intended Use

The CAPE Technologies Immunoassay Sample Preparation Kit is designed for immunoassay specific extraction and rapid cleanup of 12 soil or other solid samples. Prepared sample extracts can then be processed for analysis using a CAPE Technologies High Performance Immunoassay Kit. Refer to the appropriate CAPE Technologies Application Note for detailed instructions on sample preparation. Refer to the CAPE Technologies High Performance Immunoassay Kit insert for detailed instructions on performing the immunoassay.

B. Precautions

Important: Please read the following precautions carefully.

- This kit should only be used by properly trained personnel in an appropriate laboratory environment.
- Treat PCDD/Fs and PCBs, solutions that contain PCDD/Fs and PCBs, and potentially contaminated samples as hazardous materials.
- Use gloves, proper protective clothing, and means to contain and handle hazardous material where appropriate.
- Obtain (if appropriate) permits pertaining to the handling, analysis and transport of dioxin- and/or PCB containing materials.
- **Do not centrifuge extraction vials at forces above 1000 x g; breakage of the glass can occur.**
- **Do not shake BBs in empty vial; cracking of the glass can occur.**
- **Do not use extraction or oxidation vials if they are damaged.**

C. Materials Provided in Kit

- 12 glass extraction vials with Teflon-lined screw caps (40 mL)
- 1 bag of 8 mL glass oxidation vials with Teflon-lined screw caps (12 vials/bag)
- 1 bag of 12 wooden spatulas
- 1 bag of 36 stainless steel BBs

D. Equipment and Materials Supplied by the User

- CAPE Technologies Application Note (downloadable from www.cape-tech.com)
- Solvents, equipment, vials, tubes, and **other materials specified in the Application Note**

E. General Limited Warranty

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