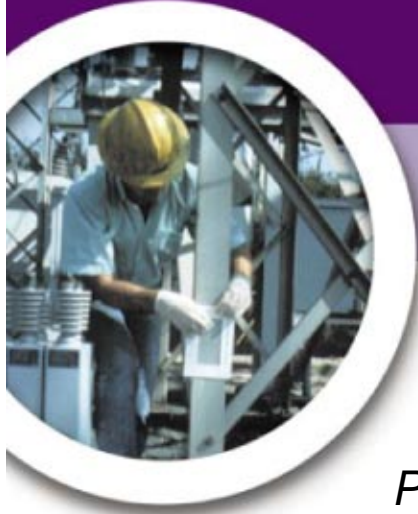


Remediation, Assessment & Industrial Testing



EnSys

EnSys *PCB Soil & Wipe* *Test System*

Features

- provides semi-quantitative or qualitative results at specified calibrator (action) levels
- rapid field or lab testing, with results in 30 minutes
- test up to 12 samples at one time
- two detection levels of your choice are provided with each sample
- high level of accuracy
- coated tube immunoassay
- EPA SW-846 Method #4020

Test Result Type

- Semi-quantitative or qualitative.
- knowledge of specific aroclor(s) present will aid in accuracy.

Samples per Kit

- 12 soil samples at two detection levels each
- each sample can be tested one at a time or in batches of 2 to 10 samples

Assay Range

- **Soil:** 0.5 ppm to 500 ppm w/ dilutions
- **Wipes:** 5.0 ug/100cm² to 5000 ug/100cm² w/ dilutions

Sample Preparation

- Soil samples require prior extraction using the SDI Sample Extraction Kit (sold separately).
- The Sample Extraction Kit provides materials for 12 soil sample extractions with methanol.

Sampling Time

- "Dirt-to-Data" in approximately 30 minutes



Remediation, Assessment & Industrial Testing

EnSys

Basic Test Procedure

- Transfer soil or wipe to extraction jar.
- Cap and shake for 1 minute.
- Filter extracted sample.
- Pipette and dilute samples with dilution ampule.
- Transfer 1 ml of buffer to glass buffer tubes.
- Pipette and transfer sample to buffer tubes.
- Fit Antibody coated tubes on buffer tubes; invert to mix; return to Antibody coated tube.
- Incubate 10 minutes.
- Connect Antibody coated and Conjugate tubes; invert and mix; return to Antibody coated tube.
- Incubate 5 minutes.
- Wash Antibody coated tubes vigorously 4 times.
- Using Repeater Pipet at Setting 2 and 5 mL tip, transfer 200 µL Substrate A to each tube.
- Add 200 µL Substrate B to each tube; mix.
- Add 200 µL STOP to each tube.
- Read tubes in photometer. Record data.

Specificity

Minimum Aroclor detection levels for the EnSys PCB Soil test are as follows:

Aroclor	1260	1254	1248	1242	1232	1016
(ppm)	0.5	0.5	1.0	2.0	4.0	4.0

Minimum Aroclor detection levels for the EnSys PCB Wipe test are as follows:

Aroclor	1260	1254	1248	1242	1232	1016
(ug/100cm ²)	5.0	5.0	10.0	20.0	40.0	40.0

Test Kit Components

- 48 Antibody Coated tubes
- 48 Glass buffer tubes
- Substrate and stop solution reagents
- PCB standard
- Pipette tips

Storage & Precautions

- Shelf life is typically one year from date of manufacture, with specific kit expiration date information provided on product packaging.
- Reagents must be stored at 39° to 46°F (4° to 8°C) when not in use.
- Storage at ambient temperature 64° to 81°F (18° to 27°C) is acceptable for day of use.
- Kits must be brought to 64° to 81°F (18° to 27°C) before use.
- Do not expose color solution to direct sunlight.

Other Required Materials

	SDI Part #
PCB EnSys 12T Accessory Kit	6050400
PCB EnSys 12T Accessory Kit rental (includes all equipment required to operate test and interpret results)	6997020
Tap or laboratory grade water for test tube rinsing	
Absorbent paper	
Liquid waste container	
Disposable gloves	
Marking pen	

Other Recommended Materials

- Liquid and solid waste containers
- Calculator

Ordering Information

	SDI Part #
PCB EnSys 12T Soil Test Kit	7020301
PCB Soil Sample Extraction Kit	7020301EA
PCB EnSys 12T Wipe Test Kit	7021301
PCB Wipe Sample Extraction Kit	7020301WA



Strategic Diagnostics Inc.

111 Pencader Drive
Newark, DE USA 19702

502.456.6789 *tele*
800.544.8881 *tele*
502.456.6782 *fax*

www.sdix.com