

# Soil-XCell System

## Soil-XCell System Provides a Revolutionary New Method of Soil Extraction for Organics, EPA Method 3546.

### The Soil-XCell System:

- Runs up to 35 Samples at one time
- Uses less solvent
- Performs extractions faster

Environmental Express, known for its innovative products, has developed the Soil-XCell System for the extraction of semi-volatile organic compounds in soil samples. The Soil-XCell System meets the requirements of the Performance Based Measurement System established by the EPA and replaces microwave technology with a HotBlock and stainless steel Soil Extraction Cells. Analytical results of a CRM (Certified Reference Material) for PAH/BNA and TPH fell within the required acceptance limits and were very reproducible. Real world soil samples were also extracted using this procedure for PAH/BNA and PCB compounds and compared to results achieved using SW846 Method 3545A. Results were comparable for both groups of compounds.

### Soil Extraction Cell System with 25-well HotBlock Catalog # K8150

System includes HotBlock, 24 Soil Extraction Cells, one Reference Cell, one 10-place Aluminum Rack and one 15-place Aluminum Rack.

### Soil Extraction Cell System with 35-well HotBlock Catalog # K8151

System includes HotBlock, 34 Soil Extraction Cells, one Reference Cell, two 10-place and one 15-place Aluminum Racks.



A Soil Extraction Reference Cell monitors and displays the internal temperature of the solvent during the extraction process.

### HotBlock Specifications:

	K8150	K8151
Footprint:	15" x 15"	15" x 21.5"
Crated Size:	23" x 23" x 17"	26" x 23" x 17"
Weight:	42 lb.	59 lb.
Shipping Weight:	54 lb.	65 lb.
Electrical:	120VAC*, 9A	120VAC*, 13A
Sample Capacity:	25	35
Temperature Range:	to 150°C	to 150°C
Thermocouple:	Type K	Type K

\*Also available in 240V.

### Heat Resistant Terrycloth Gloves

- White loop-out terrycloth gloves with knit wristband protect up to 325°C.

Heat Resistant Gloves, Large, 12pk Catalog # SY765-L

Heat Resistant Gloves, Medium, 12pk Catalog # SY765-M

Heat Resistant Gloves, Small, 12pk Catalog # SY765-S



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## Soil Extraction Cell, K8000



## Soil-XCell Systems

- Catalog # K8150 Soil-XCell System with 25-well HotBlock comes with 24 Soil Extraction Cells, one Reference Cell and one 10-place Aluminum Rack and one 15-place Aluminum Rack.
- Catalog # K8008-25 Rack Set for K8150
- Catalog # K8151 Soil-XCell System with 35-well HotBlock comes with 34 Soil Extraction Cells, one Reference Cell and two 10-place Aluminum Racks and one 15-place Aluminum Rack.
- Catalog # K8008-35 Rack Set for K8151

## Soil Extraction Cell Parts

- Catalog # K8000 Soil Extraction Cell Complete, Each
- Catalog # K8003 Threaded Outer Cap, Each
- Catalog # K8002 Stainless Steel Inner Lid, Each
- Catalog # K8004 Viton® O-ring, 25/pk
- Catalog # K8007 Aluminum Foil Rupture Seal, 100/pk
- Catalog # SC150 25-Well HotBlock
- Catalog # SC151 35-Well HotBlock

## Temperature Reference Cell, K8000R



## Temperature Reference Cell Parts

- Catalog # K8006 Thermometer for Reference Cell, Each
- Catalog # K8003R Threaded Outer Cap for Reference Cell, Each
- Catalog # K8002R Stainless Steel Inner Lid for Reference Cell, Each
- Catalog # K8004 Viton® O-ring for Reference Cell, 25/pk
- Catalog # K8007 Aluminum Foil Rupture Seal, 100/pk
- Catalog # K8000R Individual Temperature Reference Cell Complete, Each

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