

# Industrial Hygiene: Air Monitoring Cassettes



Environmental Express offers a variety of Air Monitoring Cassettes for NIOSH and OSHA compliance.

## 25mm Cassettes

Asbestos cassettes are made of conductive polypropylene. They are supplied with 0.8µm mixed cellulose ester filters for PCM or 0.45µm filters of MCE with 5µm backup for TEM. All cassettes are sealed with the LOK-Seal™ band. Both PCM and TEM cassettes include cassette labels.

### 25 mm. PCM Cassettes

Description	Porosity	Catalog #	Quantity
25 mm. Filter Asbestos PCM Cassette	0.8µm	CS25080	50
25 mm. Banded Settled Dust Asbestos Cassette	0.8µm	CS25080D	50
25 mm. Banded Asbestos PCM Cassette w/#s	0.8µm	CS25080N	20
25 mm. Tab Banded Generic Cassette	0.8µm	CS25082G	50
25 mm. StandAlone PCM Cassette	0.8µm	NS25080	50

### 25 mm. TEM Cassettes

25 mm. Filter Asbestos TEM Cassette	0.45µm	CS25455-50	50
25 mm. Banded Settled Dust/Asbestos Cassette	0.45µm	CS25455D	20
25 mm. Banded Settled Dust/Asbestos Cassette	0.45µm	CS25455DEA	100
25 mm. Banded Generic TEM Cassettes	0.45µm	CS25455G	50
25 mm. StandAlone TEM Sealed Cassette	0.45µm	NS25455	50

### 25mm Cassettes Specifications:

Housing Material:	Carbon Filled Polypropylene
Cowl Length:	2"
Filter Material:	PCM 0.8µm MCE, TEM 0.45µm MCE
Pad Material:	Cellulosic
Effective Filtration Area:	385 square mm.
Volume Resistivity:	(ASTM D-257) <102 ohm. sq.

### 37mm Cassettes Specifications:

Housing Material:	Crystal
Cowl Length:	0.5"
Filter Material:	various
Pad Material:	Cellulosic
Effective Filtration Area:	820 square mm.
Volume Resistivity:	(ASTM D-257) >107 ohm. sq.



## 37 mm. Cassettes

37 mm. cassettes are made of clear styrene and are available with a variety of filter types. Cassettes have a 0.5" spacer that allows either closed- or open-faced sampling.

Description	Porosity	Catalog #	Quantity
37 mm., 3pc MCE Cassette	0.8µm	CU37080	50
37 mm., 2pc MCE Cassette	0.8µm	CU37080-2	50
37 mm., 3pc PVC Cassette	5.0µm	CU37500PVC	50
37 mm., 3pc GF Filter Cassette	1.5µm	CU37G850	50
Preweighed and Matched Weight Cassettes			
37 mm., 3pc MCE Filter Matched Weight Cassette	0.8µm	CU37080MW	50
37 mm., 3pc PVC Matched Weight Cassette	5.0µm	CU37500PVCMW	50
37 mm., 3pc PVC Preweighed Cassette	5.0µm	CU37500PVC PW	50
37 mm., 2pc PVC Preweighed Cassette	5.0µm	CU37500PVC PW2	50

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# Industrial Hygiene: Filters and Support Pads

Filter discs for a wide range of industrial hygiene applications are available from Environmental Express.

If you don't see the filter material or size you need contact our technical service department.

## Filters and Support Pads

<i>Description</i>	<i>Material</i>	<i>Porosity</i>	<i>Catalog #</i>	<i>Quantity</i>
8" X 10" Filters	Glass Fiber	Sheets	FG858X10	100
8" X 10" Filters	Quartz	Sheets	FQ8X10-50	50
25 mm. Filters, 1µm	Glass Fiber, Particle Trapping	1.0µm	FG120025	Each
37 mm. Filters	Glass Fiber	1.5µm	FG85037MM	100
25 mm. Filters	MCE, HAZARDOUS	0.20µm	F250200	100
25 mm. Filters	MCE, w/pads	0.45µm	F254500	100
37 mm. Filters	MCE	0.45µm	F374500	100
25 mm. Filters	MCE, w/pads	0.8µm	F250800	100
25 mm. Filters	MCE, w/out pads	0.8µm	F250801	100
37 mm. Filters	MCE, w/ pads	0.8µm	F370800	100
37 mm. Filters	MCE, w/out pads	0.8µm	F370801	100
25 mm. Filters	MCE	5.0µm	F25500	100
25 mm. Filters	PTFE, Laminated	0.20µm	F25020T	100
25 mm. Filters	PTFE, Laminated	0.45µm	F25045T	100
37 mm. Filters	PTFE	0.5µm	F37050T	100
37 mm. Filters	PTFE	1.0µm	F37100T	50
25 mm. Filters	PTFE, Hydrophobic	1.0µm	F25100T	50
37 mm. Filters	PTFE	2.0µm	F37200PT	50
25 mm. Filters	PVC, w/o pads	5.0µm	F25500PVC	100
37 mm. Filters	PVC, w/pads	5.0µm	F37500PVC	100
37 mm. Filters	Quartz Fiber, Heat Treated	—	FQ037MM	200
47 mm. Filters	Quartz Fiber	—	FQ047MM	100
25 mm. Support Pads	Cellulose, White Plain	—	PW25100	100
37 mm. Support Pads	Cellulose, White Plain	—	PW37100	100
25 mm. Support Pads	Cellulose, Gridded	—	PG25100	100
37 mm. Support Pads	Cellulose, Gridded	—	PG37100	100

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# Industrial Hygiene: GhostWipes for Surface Sampling

GhostWipes from Environmental Express simplify sample collection and sample prep for Lead or Beryllium in surface dust.

This sturdy wiping material moistened with DI water holds together even on the roughest wiping surfaces. In the lab, GhostWipes readily and completely dissolve during the digestion process providing more complete dispersion of analytes and more uniform recoveries. Complete breakdown of wipes eliminates fibrous residue that can clog expensive instruments. Each wipe is preserved in a sealed packet.

## GhostWipes:

Description	Catalog #	Quantity
GhostWipes are ASTM E 1792 compliant for Lead or Beryllium in Dust	SC4210	500
Wipe Size 5.9" x 5.9" (15 cm. x 15 cm.)	SC4250	1,000

## Related Products:

Description	Catalog #	Quantity
Dry Ghost Wipes in Individually Sealed Packets	SC4280	100
Dust Sampling Template, 3.9" x 3.9" (10cm x 10cm)	C1010	250
Dust Sampling Template, 12" x 12" (30.5cm x 30.5 cm)	C1012	100
Sample Transport Vessel	SC475	500

## Lead-based Paint Standard

These chips have been ground and sieved for homogeneity. Each lot is digested and certified for lead content using NIST traceable standards. Two digestion procedures are used and both total and 3050B values are reported.

Description	Catalog #	Mass
Lead-based Paint Chips, 0.1% Pb	HP-CRM-PC-A	40 grams
Lead-based Paint Chips, 0.5% Pb	HP-CRM-PC-B	40 grams

## Lead Wipe Standard in Screw-Cap Rigid-walled Cup

The lead wipe standard is a GhostWipe spiked with in-situ dust. Using a NIST traceable solid sample, known amounts of lead are placed on a wipe and each sample is individually labeled with the exact amount of lead the wipe contains. Each spike sample contains 175-250 micrograms of lead per wipe and comes with a certificate of analysis showing the Sample ID# and the starting concentration of the dust.

Description	Catalog #	Quantity
Lead Wipe Standard in 50mL Cup	SC4252	10
Lead Wipe Standard in 100mL Cup	SC4256	10



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