



Operating Instructions

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SKC Ethylene Oxide Passive Sampler Cat. No. 575-005



The SKC Ethylene Oxide Passive Sampler is a small ready-to-use sampler that provides superior collection of ethylene oxide (EtO) without the use of a sample pump. SKC has scientifically validated the sampling rate for EtO and other critical parameters of the SKC Ethylene Oxide Passive Sampler to meet OSHA/ANSI/ISEA requirements. The SKC Ethylene Oxide Passive Sampler contains the same sorbent that is specified in active OSHA Method 1010.

Performance Profile

Sorbent/Amount: Anasorb® 747 coated with hydrobromic acid, 500 mg

Housing material: Nylon

Diameter: 1.4 in (3.5 cm)

Length:
(including clip) 2.5 in (6.3 cm)

Depth: 0.6 in (1.5 cm)

Concentration range: 0.1 to 4 ppm

Analysis: Solvent desorption, Gas Chromatography/Electron Capture Detector (GC/ECD)

Shelf-life: 18 months at < 39.2 F (4 C)

Storage: *Before use:* Store at < 39.2 F (4 C).
After use: Store at < 39.2 F (4 C) for up to 3 weeks.
Expedited shipping is recommended.

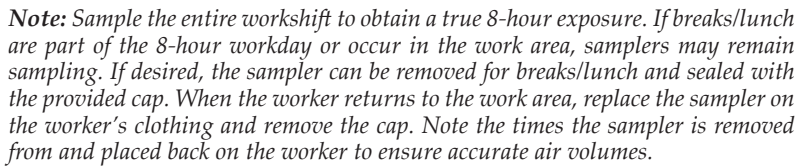
❗ **Do not store with food.**

Sample time: Validated for 15-min and 8-hr occupational exposure sampling

Sampling rate: 21.2 ml/min

Sampling

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Storage

Before use: Store at < 39.2 F (4 C).

After use: Store at < 39.2 F (4 C) for up to 3 weeks.
SKC recommends expedited shipment of samples.

 ***Do not store with food.***

Analysis

Solvent desorption, Gas Chromatography/Electron Capture Detector (GC/ECD)

See Analysis Instructions at www.skinc.com/instructions/37009.pdf.

Validation

The SKC Ethylene Oxide Passive Sampler has Full validation. Full validation means that it has passed all NIOSH Partial validation protocol and factorial study, including interfering compounds. This is the most rigorous test and includes all parameters affecting sampling accuracy.

For compliance sampling, it is recommended that only those passive samplers with agency, Full, or Bi-level validation be used. Passive samplers with lower validation levels should be used only if verified by sorbent tube methods.

References

Yost, C., *Validation of Ethylene Oxide Using the SKC 575-005 Diffusive Sampler*, SKC Publication 1543, June 2000, available at www.skinc.com

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skinc.com/warranty.asp>.

Ordering Information

Description	Cat. No.	Qty.
Ethylene Oxide Passive Sampler , contains 500 mg	575-005	5
Anasorb 747 coated with hydrobromic acid	575-005A	25
	575-005C	500
Desorption Efficiency Tubes for 575-005 Samplers	575-051	10

www.skcinco.com