



VOC 575

PASSIVE SAMPLERS



Superior Passive Sampling of ppm-Level Organic Vapors

Passive Sampler	SKC VOC Chek 575-001	Assay Technologies Assay 566
Media	Charcoal, Anasorb® CSC-Lot 2000 binder-free sorbent	Charcoal sorbent wafer
Sorbent amount (mg)	350*	150
Multiple validated sampling rates‡	Yes	Yes
Quantity samplers needed for 8-hour shift	1	1
Number of analyses	1	1
Number of carbon-based sorbents offered	2*	1
Ongoing validations	Yes	Yes
Shelf-life	2 years	2 years

Top Reasons to Choose VOC Chek® 575 Samplers

- Capacity

- Contain the greatest amount of charcoal sorbent on the market

- Sample time

- More sorbent means longer sample times for 8 hours or more for most compounds

- STEL Sampling for some compounds

- Scientific data

- VOC Chek 575 samplers are tested using NIOSH and other protocols with [online validation reports](#) available for defensible results

- Defensible

- Documented performance in OSHA diffusive methods and SKC online research reports

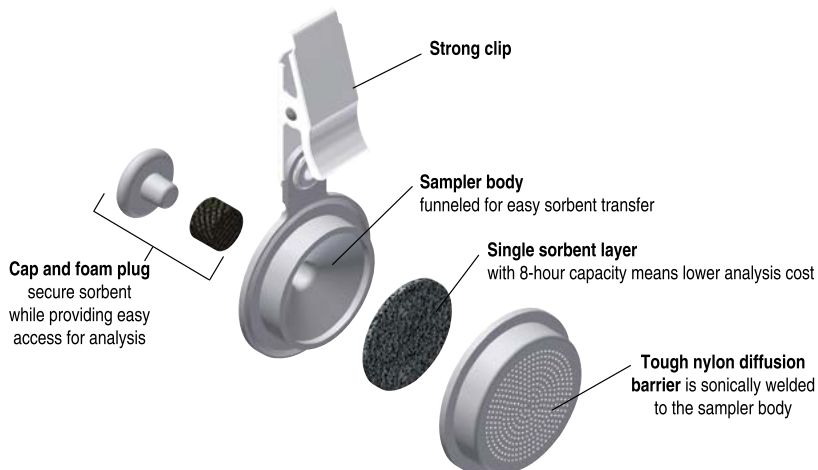
- Easy 3-step sampling!

* Available with 500 mg Anasorb 747 sorbent for additional compounds

‡ Compound dependent

OTHER ADVANTAGES

- Lightweight and unobtrusive
- Fast, easy one-step sorbent transfer for analysis
- Samplers available for organic vapors, ethylene oxide, styrene, and methanol
 - Proper sorbent selection means no reverse diffusion
- Sampling rates for over 300 compounds ([see our Passive Sampling Guide](#))
- Validated in OSHA methods as a reliable alternative to active sampling
- Rugged sampler, simple design



PERFORMANCE PROFILE

Housing:	Nylon, 1.4-in (3.5-cm) diameter, 2.5-in (6.3-cm) length (including clip), and 0.6-in (1.5-cm) depth
Concentration Range:	Varies dependent upon chemical of interest
Analysis:	Solvent desorption, gas chromatography (GC) with varying detectors dependent upon chemical of interest
Shelf-life:	Up to 2 years
Storage:	Varies
Sample Time:	Validated for 15-min and 8-hr occupational exposure sampling. 24-hr validation for some compounds. See the online SKC Passive Sampling Guide
Sampling Rate:	Dependent upon chemical of interest. See the online SKC Passive Sampling Guide

ACTIVE/PASSIVE CROSS-REFERENCE

SKC VOC Chek 575 Passive Samplers are identified in eight OSHA methods as a reliable alternative to active sampling.

Compound	Active Method/ Tube Cat. No.	Passive Method/ Sampler Cat. No.
Benzene	OSHA 1005 226-01	OSHA 1005 575-002
Butyl acetates	OSHA 1009 226-01	OSHA 1009 575-002
MEK/MIBK	OSHA 16 (MEK) 226-10	OSHA 1004 575-002
Styrene	OSHA 89 226-73	OSHA 1014 575-006
Toluene	OSHA 111 226-81A or 226-01	OSHA 111 575-002
Trichloroethylene/ tetrachloroethylene	OSHA 1001 226-01	OSHA 1001 575-002
Trimethylbenzene	OSHA 1020 226-01	OSHA 1020 575-002

Additional VOC Chek 575 Applications

Siloxanes

SKC has validated its VOC Chek 575-001 Passive Sampler for the collection of siloxanes (D4, D5, L2, and L3).

Anesthetic Gases

SKC VOC Chek 575-002 has been validated for sampling anesthetic gases including halothane, isoflurane, desflurane, enflurane, and sevoflurane.

Visit skcinc.com to view or download validation reports.

ORDERING INFORMATION

Passive Sampler for:	Sorbent	Cat. No.	Qty.
Organic vapors	Charcoal Lot 2000, 350 mg	575-001†	5
Organic vapors	Anasorb 747, 500 mg	575-002†	5
Ethylene oxide	Anasorb 747 treated with hydrobromic acid, 500 mg	575-005†	5
Styrene	Anasorb 747 treated with tert-butyl catechol, 500 mg	575-006	5
Methanol	Anasorb 747, 500 mg	575-007	5

575-007 Samplers include secondary diffusion barriers to ensure 1.2 ml/min sampling rate.

† Larger quantity packages are available. Contact SKC.

ANALYSIS ACCESSORIES

Description	Cat. No.
Desorption Efficiency Tubes , each single-section tube contains the sorbent type and amount equal to the corresponding passive sampler, pk/10	
For 575-001 Samplers	575-048
For 575-002 and 575-007 Samplers	575-049
For 575-005 Samplers	575-051
For 575-006 Samplers	575-052

References

Cassinelli, M.E., et al., "Diffusive Sampling: An Alternative to Workplace Air Monitoring," A. Berlin, R.H. Brown, and K.J. Saunders (Royal Society of Chemistry, London) (eds.), NIOSH Protocol for the Evaluation of Passive Monitors, 1987, pp. 190-202

Guild, L.V., et al., "Bi-Level Passive Monitor Validation: A Reliable Way of Assuring Sampling Accuracy for a Larger Number of Related Chemical Hazards" Appl. Occup. Environ. Hyg., Vol. 7, No. 5, May 1992, pp. 310-317. Reprints available from SKC.

SKC 575 Passive Sampler Validation (Research) Reports. Available at www.skcinc.com/knowledgecenter/categories/research-reports



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