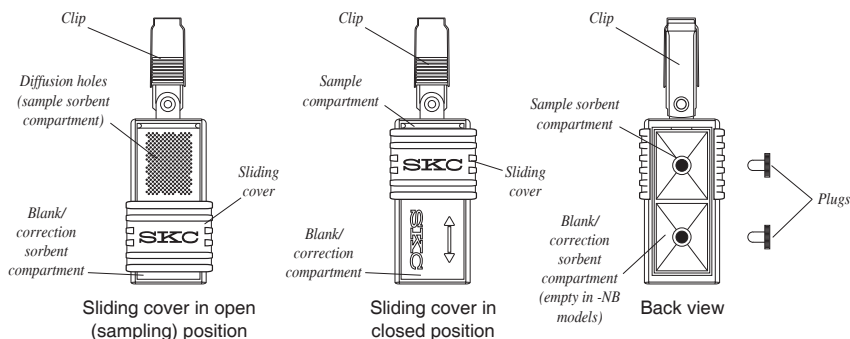




Operating Instructions

863 Valley View Road, Eighty Four, PA 15330
724-941-9701 • skcinc.com

ULTRA Passive Samplers Cat. No. 690 Series (Prefilled)



The ULTRA Passive Sampler Cat. No. 690 Series (prefilled) includes models with blanks and without blanks (-NB).

Applications

SKC patented* prefilled ULTRA® Passive Samplers provide for low ppb to ppt detection of organic vapors in ambient and indoor air.

Performance Profile

ULTRA Pre-filled Samplers	690-101, -103, -104, -106; 690-101-NB, -103-NB, -104-NB, -106-NB;	690-105, -105-NB
Sampling Rates	Go to the SKC Passive Sampling Guide at www.skcinc.com	
Analysis	Thermal desorption (TD); gas chromatography (GC)	Solvent extraction; GC
Shelf-life	Limited; check expiration date on packaging.	
Storage	Store at ≤ 39.2 F (4 C) in a clean, organic solvent-free environment	
	<i>Before sampling:</i> Up to 30 days <i>After sampling:</i> 21 days	<i>Before sampling:</i> Up to 6 months <i>After sampling:</i> 21 days
	Caution: Do not store with food.	

*U.S. Patent No. 6,607,581

Sampling

1. Open pouch. Remove sampler.
 - a. Do not discard pouch.
 - b. Store pouch in a clean, organic solvent-free environment.
2. Record the following:
 - a. **Sample ID** on pouch and sampler I.D. label
 - b. **Sampling location** on pouch
 - c. **Date sample taken** on pouch

❗ **Do not use Sharpie® markers or equivalent to mark label or pouch as these can off-gas VOCs.**

3. Clip sampler(s) in appropriate location.
 - a. **Indoors:** Clip sampler(s) to stand accessory (Cat. No. 690-302) and locate at appropriate height.
 - b. **Outdoors:** Clip sampler(s) inside shelter (open on two ends and bottom to allow air to flow freely). Hang shelter securely at the appropriate height.

❗ **Ensure diffusion holes in sampler are not obstructed in any way.**

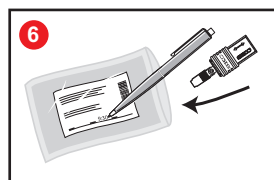
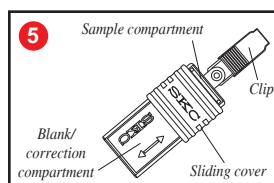
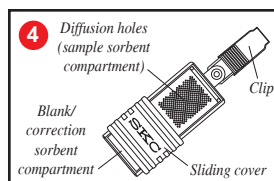
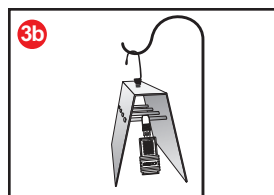
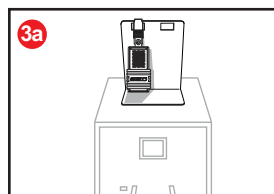
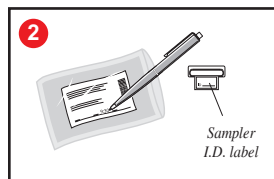
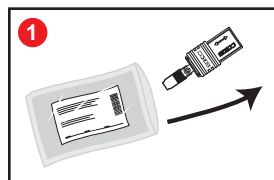
4. Start sampling: Slide sampler cover to open position (diffusion holes visible). Write sample start time on pouch label.

5. Stop sampling: Slide sampler cover to closed position (arrow and SKC visible). Write sample stop time on pouch label.

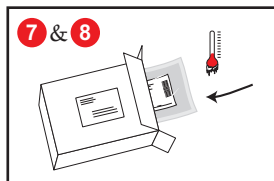
Important: Measure and record ambient temperature and atmospheric pressure. Include in information sent to the laboratory.

6. Place sampler in its resealable pouch **immediately** after sampling.

❗ **Ensure sample ID on sampler matches sample ID on pouch.**



7. Seal pouch(es). Place pouch(es) in container with cool pack.
8. Use expedited shipping to send sample(s), pertinent information, and Chain of Custody form(s) to a laboratory for analysis.



Ordering

ULTRA Passive Samplers,[#] pk/5, prefilled with:	Cat. No.
Anasorb® GCB1,[‡] 370 mg in each compartment	690-101
Chromosorb 106,[¥] 285 mg in each compartment	690-103
Tenax TA, 253 mg in each compartment	690-104
Anasorb CSC, 500 mg in each compartment	690-105*
Carbopack X, 400 mg in each compartment	690-106
Anasorb GCB1,[‡] 370 mg	690-101-NB
Chromosorb 106,[¥] 285 mg	690-103-NB
Tenax TA, 253 mg	690-104-NB
Anasorb CSC, 500 mg	690-105-NB*
Carbopack X, 400 mg	690-106-NB

[#] Limited shelf-life; see Storage specifications in Performance Profile

[‡] Comparable to Carbopack B

[¥] For additional information on sampling rates, go to the Knowledge Center www.skinc.com and search on 690-106.

* Analysis is by liquid desorption.

Sampling Accessories

Stand for Indoor Sampling	690-302
Shelter for Outdoor Sampling	690-303

Analysis Accessory

Thermal Desorption Tube, Perkin Elmer, 0.25-inch OD x 3.5-inch length, includes screens and end caps, ea	P226530
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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 skcinc.com/warranty.

