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Preloaded Coated Filters

Cat. No. 225-9003

Operating Instructions

Note: Filters are light yellow and may contain orange speckles. This is a normal effect of the DNPH coating and does not affect filter performance or sampling results.

SKC coated filters are shipped preloaded in cassettes with end plugs and shrink bands in place. No assembly is required; they are ready to use.

Method & Chemical: OSHA 64 for glutaraldehyde

Filter & Coating: 2 glass fiber filters coated with 2,4-dinitrophenyl hydrazine and phosphoric acid. Four-piece 37-mm cassette. Open-face sampling configuration

Prior to Sampling: Store at ≤ 39.2 F (4 C) for up to one year.

Sample Stability: Store samples in the dark at ≤ 39.2 F (4 C) or 71.6 F (22 C) for up to 17 days. Refrigerated storage is recommended.

For information on other available coated filters, go to www.skcinc.com.

How to Use SKC Preloaded Coated Filters



Ensure that filter cassettes are at room temperature before sampling.

1. Select one coated filter cassette for calibrating the flow rate. A red plug secures the inlet, which is clearly marked “inlet,” and a blue plug secures the outlet. Set up the sampling train for calibration with the representative filter cassette in line. For “closed-face” sampling, remove the plugs and connect the cassette to the sampling train. For “open-face” sampling, remove the outlet plug and the cassette inlet section and then connect the cassette to the sampling train. For details on setting up a sampling train, refer to the SKC Sample Setup Guide “Sampling Train - Filters” at www.skcinc.com/knowledgecenter.
2. Calibrate the pump to the desired flow rate using a calibrator.
3. Replace the cassette used for calibration with a fresh coated filter cassette for sample collection. Attach the cassette to a worker’s collar, as close to the breathing zone as possible, by using a filter cassette holder SKC Cat. No. 225-1. Sample for the specified time interval and record the time.
4. Remove the filter cassette at the end of the specified sampling period and replace both end plugs (and the inlet if necessary). Recheck the flow rate using the same cassette and calibrator used for calibration in Step 2 to ensure that the flow rate has not changed by more than 5%.
5. See *Sample Stability on reverse side for sample storage*. Appropriately package samples, blanks, and all pertinent data to send to a lab for analysis. Expedite shipping of samples to laboratory. Friday shipments are not recommended.

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.