ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC Sorbent Sample Tube 226-97

How to store, open, connect and seal the three XAD-7 tubes of the SKC sorbent sample tube set 226-97 for sampling to OSHA method 39 or 45.

AMTC-IN-0070

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About this document

The SKC sorbent sample tube 226-97 is a set of three XAD-7 sorbent tubes for air sampling to OSHA method 39 or 45. Two tubes form the sampling train; the third caps it after sampling.

Product and supplied items (p. 5) describes the three tubes. Procedure (p. 7) takes you from opening the tubes to the end of sampling, and After use and sample handling (p. 8) covers sealing the sampling train.

Keep these instructions for the lifetime of the product. The current revision is on the product page at analyt-mtc.com.

How these instructions mark information

⚠ CAUTION

A hazardous situation which, if not avoided, could result in minor or moderate injury.

Note
Information that helps understanding; never a hazard.

Document information

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Revision history

Rev.	Date	Change
1	October 2026	First issue.

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CHAPTER 1

Safety

Read the safety message in this chapter before you store or use the tubes.

Intended use

The 226-97 tube set is for sampling air at 0.2 L/min to OSHA method 39 or 45, as the method applies.
Use the tubes as these instructions describe.

Safety message

The same message also appears where it applies.

⚠ CAUTION

Tubes stored next to food can contaminate it, and eating contaminated food can harm you. Store the tubes at ambient temperature, away from food.

CHAPTER 2

Product and supplied items

The 226-97 set holds three sorbent tubes: Tube A, Tube B and Tube C. Each tube contains 175 mg of XAD-7 sorbent with glass wool separators. Tube A also has a glass fibre filter in front of its sorbent section.

The three tubes

Tube	Contents	Role
Tube A	Glass fibre filter, then 175 mg XAD-7 with glass wool separators	Front tube of the sampling train
Tube B	175 mg XAD-7 with glass wool separators	Backup tube, behind Tube A
Tube C	175 mg XAD-7 with glass wool separators	Cap on the front of Tube A after sampling

The tubes are glass-sealed; caps to seal the sampling train after sampling are supplied. Each tube carries airflow arrows.

CHAPTER 3

Before use

Storage

CAUTION

Tubes stored next to food can contaminate it, and eating contaminated food can harm you. Store the tubes at ambient temperature, away from food.

Prepare the tubes

Note

Label all three tubes. Label Tube A, Tube B and Tube C properly before you start sampling.

You need a tube scorer or breaker to open the glass ends, short pieces of flexible tubing to connect the tubes, and a sample pump set to the sampling rate of 0.2 L/min. The sampling time comes from the OSHA method that applies: method 39 or 45 (see Performance profile (p. 9)).

CHAPTER 4

Procedure

Tube A and Tube B sample the air in series. Tube C stays closed until sampling ends; it then caps the front of the sampling train.

Take the sample

1. Open the glass ends of Tube A and Tube B with a tube scorer or breaker.
2. Place Tube A as the front tube and Tube B as the backup tube, with their airflow arrows pointing the same way.
3. Connect the two tubes in series with a short piece of flexible tubing.
4. Sample for the time the applicable OSHA method gives (see Performance profile (p. 9)).
5. When sampling is complete, break open the ends of Tube C.
6. Connect Tube C to the front of Tube A with a short piece of flexible tubing.

> **Note**
> **Why Tube C.** Tube C only caps the sampling train. Contaminant collected on the glass fibre filter of Tube A can volatilise off the filter; Tube C then collects the vapour, so that no sample is lost.

CHAPTER 5

After use and sample handling

Seal the sampling train

1. Keep the three tubes connected in series with the flexible tubing, in the order Tube B, Tube A, Tube C.
2. Seal the two open ends of the sampling train with the supplied caps.

Disposal

Dispose of used tubes and their packaging under local regulations.

CHAPTER 6

Specifications

Performance profile

Sampling rate	0.2 L/min
Storage	Ambient. Do not store with food.
Sampling method	OSHA 39 or 45, as applicable
Sorbent	175 mg XAD-7 per tube, glass wool separators; glass fibre filter in front of the sorbent in Tube A

CHAPTER 7

Ordering information

Order from Analyt-MTC with the order code.

Item	Pack	Order code
SKC sorbent sample tube set, XAD-7, Tubes A, B and C	20 sets	226-97

The product page lists the other XAD sorbent tubes.

CHAPTER 8

Service and contacts

The SKC sorbent sample tube 226-97 is made by SKC. Analyt-MTC is your contact for it; warranty and returns follow the terms of Analyt-MTC.

Ordering and support

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