

INSTRUCTIONS FOR USE

SKC Carpet Sampling Cassette Kit 225-9540

Contents of the SKC carpet sampling kit 225-9540 and how to vacuum a carpet sample with the microvacuum cassette 225-9542 at 10 L/min.

AMTC-IN-0023

About this document

The SKC carpet sampling cassette kit, catalogue number 225-9540, is used to sample carpet for indoor contaminants such as moulds, pollens and dust mites. A sample pump runs at 10 L/min with a microvacuum cassette, catalogue number 225-9542, connected; you move the cassette's nozzle over the carpet inside a paper template. You then send the cassette to a laboratory, which analyses the sample. The Analyt-MTC catalogue lists the kit and the cassette under Microvacuum Cassettes.

Product and supplied items (p. 4) lists what the kit contains and names the parts of the cassette. Before use (p. 5), Procedure (p. 6) and After use and sample handling (p. 7) take you through one sample, from setting the pump to sending the cassette to the laboratory. Ordering information (p. 8) gives the catalogue numbers for reordering. These instructions do not cover the pump itself: keep its operating instructions at hand.

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

Note
Information that helps understanding; never a hazard.

Document information

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Revision history

Rev.	Date	Change
2	October 2026	Quality programme: new document type, number and identity pages.
1	October 2026	First issue.

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CHAPTER 1

Product and supplied items

What the kit contains

The kit 225-9540 holds ten sets, one set for each sample. Each set is:

- one microvacuum carpet sampling cassette 225-9542, closed with red plugs;
- one disposable paper template, 10 × 10 cm, which frames the sampling area;
- one Luer tubing adapter, to connect the cassette to the pump tubing;
- one zip bag and one label, for the finished sample.

The pump, the tubing and a flowmeter to set the flow rate are not part of the kit.

The cassette

The cassette 225-9542 is a 37 mm cassette of banded styrene with a 0.4 µm polycarbonate filter inside. A microvacuum nozzle on its inlet side picks the dust up from the carpet; its outlet connects through the Luer adapter to the tubing that leads to the pump. Red plugs close the cassette before and after sampling.

The parts in Figure 1-1 (p. 4):

1. **Nozzle**, the inlet, which you move over the carpet.
2. **Plug**, red, taken out for sampling.
3. **Cassette** with the filter.
4. **Tubing adapter** with Luer fitting, at the cassette outlet.
5. **Tubing** to the pump.

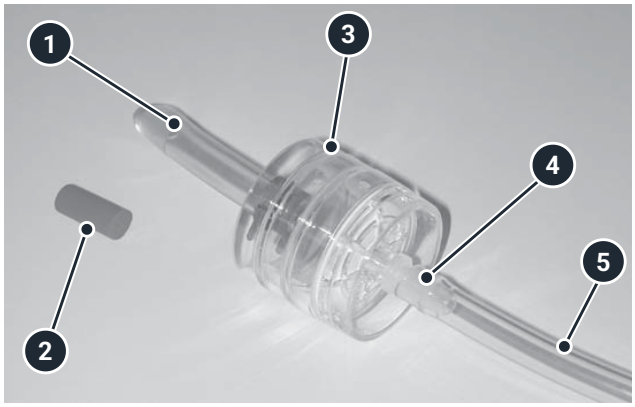


Figure 1-1. Microvacuum cassette 225-9542, plug taken out, connected to the tubing. Parts numbered as in the list beside it.

CHAPTER 2

Before use

One sample uses one set from the kit: a cassette, a template, a Luer adapter, a zip bag and a label. You also need a sample pump that runs at 10 L/min, with its tubing, and a flowmeter to set the flow rate.

> **Note**
> **Read the pump's operating instructions first.**

Prepare the pump and the cassette

1. Set the flow rate of the pump to 10 L/min with the flowmeter. When the flow rate is set, disconnect the flowmeter.
2. Take the red plugs out of a cassette. Keep them to close the cassette after the sample.
3. Push the Luer fitting of the tubing adapter into the free end of the pump tubing, then connect the cassette to the adapter (Figure 1-1 (p. 4)).

CHAPTER 3

Procedure

Take the sample

> **Note**
> **Where to sample.** Pick a spot away from the main walkways, but not under furniture.

1. Lay the paper template of the set flat on the carpet where you want to sample.
2. Switch the pump on.
3. Move the nozzle over the whole area inside the template, first side to side, back and forth, then repeat up and down, at right angles to the first passes. Work the nozzle as deep into the pile as it goes.



Figure 3-1. Vacuuming inside the template.

CHAPTER 4

After use and sample handling

Close and send the sample

1. When you have taken the sample you need, put the red plugs back into the cassette.
2. Pack the cassette in the zip bag of its set and mark it with the label.
3. Send it to an environmental microbiology laboratory for analysis.

The template is disposable: use a new one for the next sample.

Disposal

Dispose of used cassettes and their packaging under local regulations.

CHAPTER 5

Ordering information

Order from Analyt-MTC with the order codes.

The cassette 225-9542 is listed as a component of the kit.

Description	Pack	Order code
Carpet sampling cassette kit: 10 microvacuum cassettes 225-9542, 10 disposable templates 10 × 10 cm, Luer tubing adapters, zip bags and labels	10 sets	225-9540
Microvacuum carpet sampling cassette: 37 mm, banded styrene, 0.4 µm polycarbonate filter, with microvacuum nozzle	—	225-9542
ACCESSORY		
Template, disposable, manila paper, 10 × 10 cm	250	225-2415
Template, disposable, manila paper, 10 × 10 cm	10	225-2415A

CHAPTER 6

Service and contacts

Contact and support

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Before you call

Have the following at hand so Analyt-MTC can help you quickly:

- the catalogue number of the kit or cassette, 225-9540 or 225-9542;
- the sample pump you use with it;
- what you sample for, and the laboratory that analyses the samples.

Analyt-MTC answers technical questions on the kit and handles warranty matters and returns under its terms of sale. Analyt-MTC's contact details are above and on the back cover.

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