ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC Surface/Dermal Test Kit for Aliphatic Amines

For kit 769-1005: how to find aliphatic amines on workplace surfaces and on skin with SWYPE indicators, clean the skin with D-TAM Skin Cleanser, and test how long a glove protects with PERMEA-TEC pads.

AMTC-IN-0062

About this document

A chemical on a workbench is not yet an exposure. It becomes one when a worker with contaminated gloves touches a tool, a machine control or a telephone that is later handled with bare hands. The SKC Surface/Dermal Test Kit for Aliphatic Amines, catalogue number 769-1005, finds that contamination so you can remove it. Safe work practice and handling keep skin contamination under control; testing and cleaning once a week keep the workplace clean and safe.

The kit covers three checks (for the clean-up after a positive result, see After use and sample handling (p. 10)):

- Procedure (p. 8): find aliphatic amines on surfaces and tools with Surface SWYPE indicators;
- Skin (p. 8): test with Skin SWYPE indicators;
- Gloves (p. 9): find the user-safe wearing time with PERMEA-TEC pads worn under the glove.

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.

NOTICE

Practices not related to personal injury — damage to the product, the process or the sample.

Note
Information that helps understanding; never a hazard.

Document information

Title	SKC Surface/Dermal Test Kit for Aliphatic Amines — Instructions for use
Document number	AMTC-IN-0062
Revision	Rev. 2 — October 2026
Applies to	SKC Surface/Dermal Test Kit for Aliphatic Amines 769-1005
Language	English
Manufacturer	SKC Inc.

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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Contents

1 **Safety** 5
- Intended use 5
- Safety messages 5
- Protective equipment 5

2 **Product and supplied items** 6

3 **Before use** 7
- Before you start 7
- How the test works 7

4 **Procedure** 8
- Test a surface 8
- Skin 8
  - Test the skin 8
- Gloves 9
  - Run the test 9

5 **After use and sample handling** 10
- Clean the surface and check again 10
- Clean the skin 10
- The result 10
- Disposal 10

6 **Specifications** 11
- Lowest detection limits 11

7 **Ordering information** 12

8 **Service and contacts** 13

CHAPTER 1

Safety

Read the safety message in this chapter before you use the kit.

Intended use

The SKC Surface/Dermal Test Kit for Aliphatic Amines, 769-1005, is for finding aliphatic amine contamination on work surfaces, tools and skin, and for testing how long a glove keeps aliphatic amines away from the hand. A fuchsia Surface SWYPE indicates, but does not prove, that amines are present: the colour reaction responds to their alkaline pH.

Safety messages

The same messages also appear where they apply, before the step they concern.

⚠ CAUTION

Keep the cleaning/developing solution off your skin. It contains methanol (US OSHA permissible exposure limit 200 ppm; follow the limit that applies in your country) and irritates the nose and the skin. Wear rubber gloves for all tests and use the solution only where the ventilation is good.

NOTICE

The pads have a limited shelf life. Do not use a pack past the expiry date printed on it. Past that date the pads may not change colour reliably, so the result is then invalid.

⚠ CAUTION

Pads stored next to food can contaminate it, and eating contaminated food can harm you. Store the pads at ambient temperature, and never with food.

Protective equipment

Wear rubber gloves for all tests. For the glove test, the pads go on the outside of the glove the worker is wearing, under the glove to be assessed.

CHAPTER 2

Product and supplied items

The kit finds aliphatic amine contamination on work surfaces, tools and skin and tests how long a glove keeps aliphatic amines away from the hand.

What is in the kit

Item	In the kit	Refill pack
Surface SWYPE indicators, aliphatic amines	100	25
Skin SWYPE indicators, aliphatic amines	25	20
PERMEA-TEC pads, aliphatic amines	20	20
Cleaning/developing solution	450 mL	Ask Analyt-MTC
D-TAM Skin Cleanser	90 mL	8 oz
Small cup, for developing Skin SWYPEs	Supplied	—

No decontamination solution for surfaces is included; the kit holds 25 more Surface SWYPEs instead. The order codes of the refills are in Ordering information (p. 12).

PERMEA-TEC pads: shelf life and storage

Shelf life	Limited. Check the expiry date on the packaging.
Storage	At ambient temperature. Do not store with food.
Stability	Stable at ambient conditions.
Known interferents	None.

CHAPTER 3

Before use

Before you start

⚠ CAUTION

Keep the cleaning/developing solution off your skin. It contains methanol (US OSHA permissible exposure limit 200 ppm; follow the limit that applies in your country) and irritates the nose and the skin. Wear rubber gloves for all tests and use the solution only where the ventilation is good.

NOTICE

The pads have a limited shelf life. Do not use a pack past the expiry date printed on it. Past that date the pads may not change colour reliably, so the result is then invalid.

⚠ CAUTION

Pads stored next to food can contaminate it, and eating contaminated food can harm you. Store the pads at ambient temperature, and never with food.

How the test works

PERMEA-TEC pads (SKC also calls them sensors) show when a chemical has broken through a protective glove. They are worn under the glove you want to assess, on top of the glove the worker already wears. The test tells you how long that glove can be worn safely in your process.

Place the pads on the thumb, the middle finger and the palm: these areas of a glove have the most contact and wear.

CHAPTER 4

Procedure

This chapter describes three tests with the kit: on a surface or tool, on the skin and on a glove.

Spray the surface, wipe it with a Surface SWYPE and wait three minutes. A fuchsia colour means aliphatic amines may be on it.

Wear rubber gloves for all tests.

Test a surface

> **⚠ CAUTION**
>
> **Keep the cleaning/developing solution off your skin.** It contains methanol (US OSHA permissible exposure limit 200 ppm; follow the limit that applies in your country) and irritates the nose and the skin. Wear rubber gloves for all tests and use the solution only where the ventilation is good.

1. Spray a light film of cleaning/developing solution onto the area or object you want to check, for example a workbench, a tool or a control knob.
2. Wait at least **30 seconds**.
3. Wipe the sprayed area with a Surface SWYPE.
4. Wait **3 minutes** for the colour to develop.
5. Read the SWYPE.

Reading the SWYPE

Colour after 3 minutes	Meaning
Fuchsia	Aliphatic amines may be present. Clean the area.
Unchanged	None detected by this test.

> **Note**
> The colour reaction responds to the alkaline pH of aliphatic amines. A fuchsia SWYPE is therefore an indication, not a proof, that amines are on the surface.

Skin

Wipe the skin with a Skin SWYPE and stand it in a little developing solution. If the strip changes colour, clean the skin with D-TAM Skin Cleanser and test again.

Test the skin

The Skin SWYPE has two parts: a cloth that you wipe over the skin, and a colour detection strip. The developing solution is the same cleaning/developing solution that you spray on surfaces; handle it as described in Before you start (p. 7).

1. Wipe the skin with the cloth end of a Skin SWYPE.

> **⚠ CAUTION**
>
> **Keep the cleaning/developing solution off your skin.** It contains methanol (US OSHA permissible exposure limit 200 ppm; follow the limit that applies in your country) and irritates the nose and the skin. Wear rubber gloves for all tests and use the solution only where the ventilation is good.

2. Pour developing solution into the small cup from the kit, about ¼ in deep.
3. Stand the Skin SWYPE in the cup with the cloth end down and the colour detection strip up.
4. Watch the strip. The solution rises through the cloth to the strip. If the skin was contaminated, the strip changes colour.

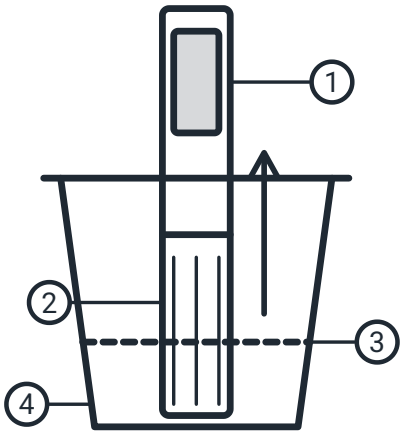


Figure 4-1. Developing a Skin SWYPE. (1) Colour detection strip, up. (2) Cloth end, down. (3) Developing solution, about ¼ in deep. (4) Small cup from the kit. The arrow shows the solution rising to the strip.

Gloves

Wear PERMEA-TEC pads between two gloves. After an hour, take the outer glove off and look at the pads: fuchsia means breakthrough. The pads need no developing.

Run the test

1. Fix pads to the thumb, the middle finger and the palm, on the outside of the glove the worker is wearing.
2. Put the glove to be assessed on over the first glove.
3. After **1 hour**, take off the outer glove.
4. Remove the pads underneath it.
5. Look at the pads straight away; they need no developing. A **fuchsia** colour means that aliphatic amines have broken through the outer glove.
6. If no pad has turned fuchsia, apply fresh pads.
7. Put the same outer glove back on. The worker wears it for another hour.
8. Repeat steps 3 to 7 every hour. Repeating this tells you the user-safe time period for the glove.

CHAPTER 5

After use and sample handling

Clean the surface and check again

1. Remove the contamination as the safety data sheet (SDS) of the amine describes.
2. Test the cleaned area again with a fresh Surface SWYPE, as in Test a surface (p. 8). The clean-up is complete when the SWYPE no longer turns fuchsia.

Repeat the check once a week as part of the weekly programme, for example on tools, machine controls and telephones that gloved hands handle.

Clean the skin

D-TAM Skin Cleanser is made of high-molecular-weight ingredients that do not pass into the skin. It contains no cosmetic additives such as aloe, lanolin, emollients or moisturisers, which can increase the absorption of a chemical, and no harsh surfactants such as limonene or alcohol, which can strip the skin of its natural barrier.

> **Note**
> **Do not wet the skin first.** Apply D-TAM Skin Cleanser to dry skin.

1. Apply D-TAM Skin Cleanser directly to the contaminated skin.
2. Rinse thoroughly with lukewarm water and pat the skin dry gently.
3. Test the skin again with a fresh Skin SWYPE, as in Test the skin (p. 8).
4. If the strip still changes colour, clean the skin again and repeat the test.

> **Note**
> **Act promptly.** D-TAM Skin Cleanser reduces the absorption of a chemical through the skin best when it is used soon after the exposure.

The result

Repeating the one-hour check gives the user-safe time period for the glove. Read it as the time the glove was worn before a pad first showed breakthrough.

> **Note**
> Each repeat needs fresh pads. Refill pads are listed in Product and supplied items (p. 6).

Disposal

Dispose of used kit components and their packaging under local regulations.

CHAPTER 6

Specifications

Lowest detection limits

The PERMEA-TEC pad instructions give these lowest detection limits (LDL).

Chemical	LDL (µg)
Dibutylamine	5
N,N-Dicyclohexylamine	1
1,4-Diazabicyclo[2.2.2]octane (TED)	1
Triethylamine	6
Triethanolamine	4
Diethanolamine	4
4-Ethylmorpholine	3
N,N-Dimethylaminopropylamine	3

CHAPTER 7

Ordering information

Order from Analyt-MTC with the order codes.

Item	Order code
SKC Surface/Dermal Test Kit for Aliphatic Amines	769-1005
Surface SWYPE indicators, aliphatic amines, refill pack of 25	769-1025
Skin SWYPE indicators, aliphatic amines, refill pack of 20	769-1035
PERMEA-TEC pads, aliphatic amines, refill pack of 20	769-3005
D-TAM Skin Cleanser, refill of 8 oz	769-5011
Cleaning/developing solution, refill	Ask Analyt-MTC

CHAPTER 8

Service and contacts

The SKC Surface/Dermal Test Kit for Aliphatic Amines is made by SKC. Analyt-MTC is your contact for it.

Ordering and support

ANALYT-MTC Messtechnik GmbH

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Ordering and questions

Order the kit (769-1005) and refills with the catalogue numbers in Ordering information (p. 12). Warranty and returns follow the terms of Analyt-MTC.

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AMTC-IN-0062 · Rev. 2 · 2026-10

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