ANALYT MESSTECHNIK




INSTRUCTIONS FOR USE

# SKC Surface/Dermal Test Kit for Acids and Bases

How to find acid and base contamination on surfaces, tools and skin with the SKC Surface/Dermal Test Kit for Acids and Bases 769-1006, and how to find out how long a glove protects.

AMTC-IN-0061

# About this document

The SKC Surface/Dermal Test Kit for Acids and Bases, catalogue number 769-1006, uses simple colour indicators to find acid and base contamination on work surfaces, tools and skin, and to show how long a glove keeps these chemicals away from the hand.

Contamination on a surface is not in itself an exposure. It becomes one when someone touches it with unprotected skin: a tool, a machine control or a light switch handled with contaminated gloves passes the chemical on to the next bare hand. Good work practices keep skin contamination under control; testing and cleaning once a week keeps the workplace clean and safe.

Read Before use (p. 7) for how the glove test works and how the pads are stored. Procedure (p. 8) covers the SWYPE test, Skin (p. 8) the skin test and Gloves (p. 9) the glove breakthrough test. After use and sample handling (p. 10) covers cleaning a contaminated surface, a contaminated skin and the user-safe time of a 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 Acids and Bases — Instructions for use |
| Document number | AMTC-IN-0061 |
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| Applies to | SKC Surface/Dermal Test Kit for Acids and Bases 769-1006 |
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| 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

2 **Product and supplied items** 6

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

4 **Procedure** 8
- Test a surface or an item 8
- Skin 8
  - Test the skin 8
- Gloves 9
  - Run the test 9
  - Reading the pads 9

5 **After use and sample handling** 10
- Clean a contaminated surface 10
- If the skin is contaminated 10
- The user-safe time 10
- Disposal 10

6 **Ordering information** 11

7 **Service and contacts** 12

CHAPTER 1

# Safety

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

## Intended use

The SKC Surface/Dermal Test Kit for Acids and Bases, 769-1006, is for finding acid and base contamination on work surfaces, tools and skin, and for testing how long a glove keeps these chemicals away from the hand.

## Safety messages

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

**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.

CHAPTER 2

# Product and supplied items

## Typical kit contents

| Item | Typical quantity | Refill pack |
|---|---|---|
| Surface SWYPE for Acids/Bases: colour-change wipe pad for surfaces | 100 | 25 |
| Skin SWYPE for Acids/Bases: wipe with a colour detection strip, for skin | 25 | 20 |
| PERMEA-TEC Pads for Acids/Bases: breakthrough indicators worn under a glove | 20 | 20 |
| Developing Solution for Acids/Bases, spray bottle | 450 mL | — |
| D-TAM Skin Cleanser: see If the skin is contaminated (p. 10) | 90 mL | 8 oz |
| Small cup, for developing Skin SWYPEs | 1 | — |

Typical quantities from the Analyt-MTC catalogue; check the packing list of your kit. No DECONtamination Solution; 25 extra Surface SWYPEs instead. The order codes of the refills are in Ordering information (p. 11).

## 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

## How the test works

PERMEA-TEC pads are breakthrough indicators worn underneath a protective glove; SKC also calls them PERMEA-TEC sensors. The worker keeps the glove they normally wear as the inner glove, and the pads are fixed to the outside of it. The glove you want to assess goes on top. Anything that permeates the outer glove reaches a pad, while the inner glove keeps it off the skin.

The pads go on the thumb, the middle finger and the palm, the areas of a glove with the most contact and wear. The pads need no Developing Solution: you read them as soon as they come out of the glove. An unused pad is orange; a change to fuchsia/magenta or blue is a positive indication of breakthrough.

**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.

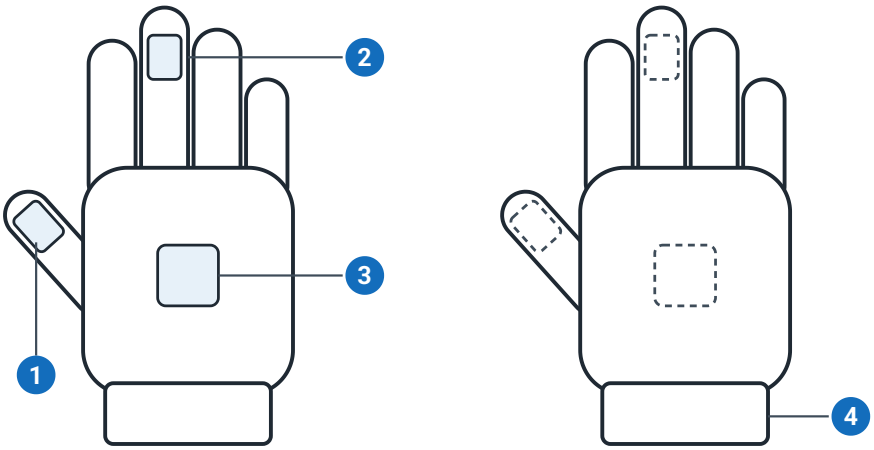



**Figure 3-1.** The set-up. Left: PERMEA-TEC pads on the inner glove at (1) the thumb, (2) the middle finger and (3) the palm. Right: (4) the glove under test, worn over the inner glove; the pads (dashed) sit underneath it.

CHAPTER 4

# Procedure

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

Spray the surface with Developing Solution, wipe it with a Surface SWYPE and read the colour after 3 minutes. Orange means nothing was found; magenta points to an acid, blue to a base.

## Test a surface or an item

1. Spray a light coat of Developing Solution onto the area or item, 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 colour of the SWYPE (Table 4-1).
6. If the SWYPE shows an acid or a base, clean the area or item as described below.

**Table 4-1 Colour of the Surface SWYPE**

| SWYPE colour | Meaning | Changes at |
|---|---|---|
| Orange (unchanged) | Neutral, no acid or base detected | — |
| Fuchsia/magenta | Acid contamination | pH 3 |
| Blue | Base (caustic) contamination | pH 9.5 |

One SWYPE indicates both: its colour tells you whether you have found an acid or a base.

## Skin

Wipe the skin with a Skin SWYPE, then stand it in a little Developing Solution. If the strip changes colour, the skin is contaminated.

### Test the skin

A Skin SWYPE has two ends: a cloth for wiping the skin, and a colour detection strip. In the cup, the Developing Solution rises through the cloth to the strip.

1. Wipe the skin with the cloth end of the Skin SWYPE.
2. Pour Developing Solution into the small cup from the kit, to a depth of about ¼ in.
3. Stand the Skin SWYPE in the cup, cloth end down and colour detection strip up (Figure 4-1).
4. Watch the strip while the solution rises to it. A colour change on the strip means that the skin is contaminated.

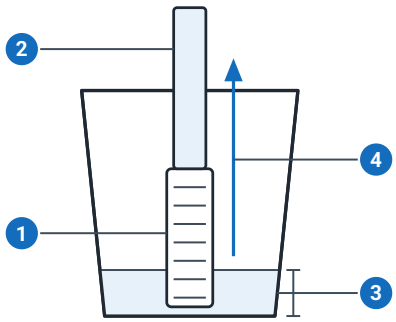



**Figure 4-1.** Developing a Skin SWYPE. (1) Cloth end, down. (2) Colour detection strip, up. (3) Developing Solution in the small cup, about ¼ in deep. (4) The solution rises through the cloth to the strip.

## Gloves

Wear two gloves, with PERMEA-TEC pads between them. Every hour, take the outer glove off and look at the pads: magenta means an acid, blue a base. Repeating this hour by hour gives the user-safe time of the outer glove.

### Run the test

1. Fix one pad each 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. Have the worker carry on with the normal task.
4. After **1 hour**, take off the outer glove.
5. Remove the three pads underneath it.
6. Look at the pads. A change from orange to fuchsia/magenta (acid) or blue (base) is a positive indication of breakthrough through the outer glove (Table 4-2).
7. If no breakthrough is indicated, fix three fresh pads to the inner glove.
8. Put the same outer glove back on.
9. Have the worker carry on for another hour.
10. Repeat steps 4 to 9 every hour. The result is a user-safe time period for the glove.

### Reading the pads

**Table 4-2 Reading the PERMEA-TEC pad**

| Pad colour | Meaning | Changes at |
|---|---|---|
| Orange (unchanged) | No breakthrough indicated | — |
| Fuchsia/magenta | Acid breakthrough | pH 3 |
| Blue | Base (caustic) breakthrough | pH 9.5 |

CHAPTER 5

# After use and sample handling

## Clean a contaminated surface

> **Note**
> **Follow the safety data sheet.** The kit contains no decontamination solution. How to remove a contamination, and which protective equipment to wear while you do it, depends on the chemical: take both from its safety data sheet (SDS).

1. Remove the contamination as the safety data sheet of the chemical describes.
2. Test the area again with a fresh Surface SWYPE, as described in Test a surface or an item (p. 8), to confirm that the cleaning is complete.
3. If the SWYPE still shows an acid or a base, clean again and repeat the test.

## If the skin is contaminated

> **Note**
> **Act on the safety data sheet.** Follow the first-aid measures for skin contact in the safety data sheet of the chemical. Then test the skin again with a fresh Skin SWYPE, as described in Test the skin (p. 8).

Whether to rinse with water or to use D-TAM Skin Cleanser depends on how soluble the chemical is in water. The guide *SKC D-TAM and D-TAM Gold Skin Cleansers — Instructions for Use* (AMTC-IN-0006) explains the choice and the cleaning procedure.

## The user-safe time

Repeating the hourly check, with fresh pads each time, gives a user-safe time period for the glove: the hours it was worn before the pads first showed breakthrough. If an acid or a base may have reached the skin, test it as described in Test the skin (p. 8).

For ordering and questions about a particular glove or chemical, contact Analyt-MTC; its contact details are in Service and contacts (p. 12) and on the back cover.

## Disposal

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

CHAPTER 6

# Ordering information

Order from Analyt-MTC with the order codes.

| Item | Order code |
|---|---|
| SKC Surface/Dermal Test Kit for Acids and Bases | 769-1006 |
| Surface SWYPE for Acids/Bases, pack of 25 | 769-1026 |
| Skin SWYPE for Acids/Bases, pack of 20 | 769-1036 |
| PERMEA-TEC Pads for Acids/Bases, pack of 20 | 769-3006 |
| D-TAM Skin Cleanser, refill of 8 oz | 769-5011 |
| D-TAM Skin Cleanser, refill, pack size: ask Analyt-MTC | 769-5001 |
| Developing Solution for Acids/Bases, spray bottle | Ask Analyt-MTC |

CHAPTER 7

# Service and contacts

The SKC Surface/Dermal Test Kit for Acids and Bases is made by SKC. Analyt-MTC is your contact for it.

## Ordering and support


**ANALYT-MTC Messtechnik GmbH**

**German Headquarters**

Klosterrunsstraße 18, 79379 Müllheim
Germany

+49 7631 5545

info@analyt-mtc.de

**French Subsidiary**

175 Avenue d'Alsace, 68000 Colmar
France

+33 3 89 41 47 78

info@analyt-mtc.fr

www.analyt-mtc.com


**Ordering and questions**

Order the kit and its refills from Analyt-MTC with the catalogue numbers in these instructions. Warranty and returns follow the terms of Analyt-MTC.

**ANALYT-MTC Messtechnik GmbH**

Sales, service and calibration

**German Headquarters**
Klosterrunsstraße 18, 79379 Müllheim
Germany
+49 7631 5545
info@analyt-mtc.de

**French Subsidiary**
175 Avenue d'Alsace, 68000 Colmar
France
+33 3 89 41 47 78
info@analyt-mtc.fr

**www.analyt-mtc.com**

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