ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC Surface/Dermal Test Kit for Phenols

How to find phenol contamination on surfaces, tools and skin with the SKC Surface/Dermal Test Kit for Phenols 769-1007, how to confirm that it is gone, and how to find out how long a glove protects.

AMTC-IN-0066

Rev. 2 · October 2026

About this document

The SKC Surface/Dermal Test Kit for Phenols, catalogue number 769-1007, uses simple colour indicators to find phenol contamination on work surfaces, tools and skin, and shows how long a glove keeps phenols away from the hand.

Contamination on a surface is not in itself an exposure. It becomes one when a worker 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. Safe work practices and careful handling keep the skin clean, and testing and cleaning once a week keeps the workplace clean and safe.

Read Before use (p. 7) for how the glove test works. Procedure (p. 8) covers the SWYPE test, Skin (p. 8) the skin test and Gloves (p. 8) 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

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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

Safety

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

Intended use

The SKC Surface/Dermal Test Kit for Phenols, 769-1007, is for finding phenol contamination on work surfaces, tools and skin with colour indicators, and for testing how long a glove keeps phenols away from the hand. The kit contains no DECONtamination Solution: clean up phenol contamination as the safety data sheet of the phenol, or of the product that contains it, describes.

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.

Protective equipment

Use the protective equipment listed in the safety data sheet of the phenol or of the product that contains it. 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

What is in the kit

Item	In the kit	Refill pack
Surface SWYPE for Phenols: wipe pad that turns red on surfaces contaminated with phenol	100	25
Skin SWYPE for Phenols: wipe with a colour detection strip, for skin	25	20
PERMEA-TEC Pads for Phenols: breakthrough indicators worn under a glove	20	20
Cleaning/Developing Solution for Phenols: prepares surfaces, develops SWYPEs and pads	450 mL	22 oz
D-TAM Skin Cleanser: removes phenol from the skin	90 mL	8 oz
Small cup, for developing Skin SWYPEs	1	—

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

How the test works

PERMEA-TEC pads are breakthrough indicators worn underneath a protective glove. 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. Phenol 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. These are the areas of a glove with the most contact and wear.

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 4

Procedure

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

Spray the surface with the Cleaning/Developing Solution, wipe it with a Surface SWYPE and read the colour after 3 minutes. Red means phenol. Clean the area and test again until the SWYPE stays free of red.

Test a surface or an item

1. Spray a light coat of Cleaning/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. Look at the SWYPE.
6. If the SWYPE has turned **red**, the area or item is contaminated with phenol. Clean it as described in Remove the contamination (p. 10).

The red colour is specific to phenol. Repeat the test every week.

Skin

Wipe the skin with a Skin SWYPE, stand it in a little Cleaning/Developing Solution and watch the strip. A colour change on the strip means that the skin is contaminated.

Test the skin

A Skin SWYPE has two ends: a cloth for wiping the skin, and a colour detection strip.

1. Wipe the skin with the cloth end of the Skin SWYPE.
2. Pour Cleaning/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.
4. Watch the strip. The solution rises through the cloth to the strip; a colour change on the strip means that the skin is contaminated.

Gloves

Wear two gloves, with PERMEA-TEC pads between them. Every hour, take the outer glove off, develop the pads and look for red. The hours before the first red pad are 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. Develop each pad: spray it **twice** with Cleaning/Developing Solution.
7. Look at the pads. A pad that has turned **red** shows that phenol has broken through the outer glove.
8. If no pad is red, fix three fresh pads to the inner glove.
9. Put the same outer glove back on.
10. Have the worker carry on for another hour.
11. Repeat steps 4 to 7.
12. Continue hour by hour until a pad turns red.

CHAPTER 5

After use and sample handling

Remove the contamination

Unlike the kits for aromatic amines and for isocyanates, this kit contains no DECONtamination Solution. Phenol is removed by the method that the safety data sheet of the product in use prescribes; the Surface SWYPE then shows whether the cleaning worked.

> **Note**
> **Follow the safety data sheet.** Clean up phenol contamination only as described in the safety data sheet (SDS) of the phenol or the product that contains it, including the protective equipment it lists.

1. Remove the contamination as described in the safety data sheet.
2. Test the area or item again as described in Test a surface or an item (p. 8) to confirm that the contamination is gone.
3. If the SWYPE still turns red, clean again, then test again.

If the skin is contaminated

D-TAM Skin Cleanser removes water-insoluble chemicals such as phenol from the skin. How to apply it is described in the guide *SKC D-TAM and D-TAM Gold Skin Cleansers — Instructions for Use* (AMTC-IN-0006). After cleaning, test the skin again with a fresh Skin SWYPE, as described in Test the skin (p. 8), to confirm that the contamination is gone.

The user-safe time

The user-safe time for the glove is the number of hours it was worn before a pad first turned red.

For questions about a particular glove or chemical, contact Analyt-MTC; its contact details are in Service and contacts (p. 13) and on the back cover.

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)
Bisphenol A	2
2,4,6-Trichlorophenol	2
2-Chlorophenol	2

CHAPTER 7

Ordering information

Order from Analyt-MTC with the order codes.

Item	Order code
SKC Surface/Dermal Test Kit for Phenols	769-1007
Surface SWYPE for Phenols, pack of 25	769-1027
Skin SWYPE for Phenols, pack of 20	769-1037
PERMEA-TEC Pads for Phenols, pack of 20	769-3007
Cleaning/Developing Solution for Phenols, 22 oz	769-1067
D-TAM Skin Cleanser, 8 oz	769-5011
D-TAM Skin Cleanser, pack size: ask Analyt-MTC	769-5001

CHAPTER 8

Service and contacts

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

Ordering and support

ANALYT-MTC Messtechnik GmbH

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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

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