ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC PERMEA-TEC Pads for Acids and Bases

How to find out how long a glove protects against acids and bases in real use: wear PERMEA-TEC pads under the glove, check them every hour and read the colour.

AMTC-IN-0025

About this document

SKC PERMEA-TEC Pads for Acids and Bases show whether an acid or a base has come through a glove. The pads are worn under the glove you want to assess and checked every hour. If a chemical has come through, the pad changes colour. Checking them hour by hour determines a user-safe time period for that glove. SKC also calls the pads PERMEA-TEC sensors.

Product and supplied items (p. 5) explains how the test works and what you need. Procedure (p. 7) gives the steps, After use and sample handling (p. 8) shows how to read the pads and Ordering information (p. 9) lists the order codes.

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

The product

Product	Order code	Pack
SKC PERMEA-TEC Pads for Acids and Bases	769-3006	20 pads

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.

Document information

Title	SKC PERMEA-TEC Pads for Acids and Bases — Instructions for use
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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 test a glove.

Intended use

SKC PERMEA-TEC Pads for Acids and Bases show, on the job, whether an acid or a base has come through a glove. You wear them under the glove you want to assess and check them every hour to determine a user-safe time period for that glove.

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 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. Keep the pads away from food.

CHAPTER 2

Product and supplied items

Wear two gloves, with the pads between them. Every hour, take the outer glove off and look at the pads. The test ends at the first colour change.

How the test works

SKC recommends double gloving for this test. The glove the worker normally wears is the inner glove, and the pads are fixed to the outside of it. The glove you want to assess goes on top.

The pads sit on the thumb, the middle finger and the palm.

The pad indicates both acids and bases. It needs no developing solution: you read it as soon as it comes out of the glove.

What you need

Item	Order code	Used for
PERMEA-TEC Pads for Acids and Bases	769-3006	Three pads for each hour of testing
The glove normally worn	—	Inner glove, carries the pads
The glove to be assessed	—	Outer glove

CHAPTER 3

Before use

Before you start

NOTICE

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

Storage and shelf life

Shelf life	Limited. The expiry date is printed on the packaging.
Storage	At ambient temperature
Stability	Stable at ambient conditions
Known interferents	None

⚠ CAUTION

Pads stored next to food can contaminate it, and eating contaminated food can harm you. Keep the pads away from food.

CHAPTER 4

Procedure

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. Carry on with the normal task.
4. After **one hour**, take off the outer glove.
5. Remove the three pads underneath it.
6. Look at the pads. A colour change means that an acid or a base has broken through the outer glove (see Reading the pads (p. 8)).
7. If no pad has changed colour, fix three fresh pads to the inner glove.
8. Put the same outer glove back on.
9. Work for another hour.
10. Repeat steps 4 to 6.
11. Continue hour by hour to determine a user-safe time period for the glove.

CHAPTER 5

After use and sample handling

Reading the pads

An unused pad is orange, the neutral colour. A pad that is still orange shows no breakthrough. A pad that has turned magenta or blue shows breakthrough, and the colour tells you which kind of chemical came through:

Table 5-1 Colour reactions of the pad

Pad colour	Meaning	Changes at
Orange	Neutral, no breakthrough	—
Fuchsia/magenta	Acid breakthrough	pH 3
Blue	Base breakthrough	pH 9.5

SKC lists no known interferents for this pad.

SKC also publishes a SWYPE Semi-Quantitative Color Reactions chart for its surface and dermal products.

Disposal

Dispose of used pads and their packaging under local regulations.

CHAPTER 6

Ordering information

Order from Analyt-MTC with the order codes.

Table 6-1 Pads and related products

Description	Order code
PERMEA-TEC Pads for Acids and Bases, pack of 20	769-3006
D-TAM Skin Cleanser, personal size, 8 oz	769-5011

CHAPTER 7

Service and contacts

SKC PERMEA-TEC Pads for Acids and Bases are made by SKC. Analyt-MTC is your contact for them.

Ordering and support

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Ordering and questions

Order PERMEA-TEC Pads and D-TAM Skin Cleanser from Analyt-MTC with the catalogue numbers in these instructions. Ask Analyt-MTC if you have questions about these instructions or the products. Warranty and returns follow the terms of Analyt-MTC.

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