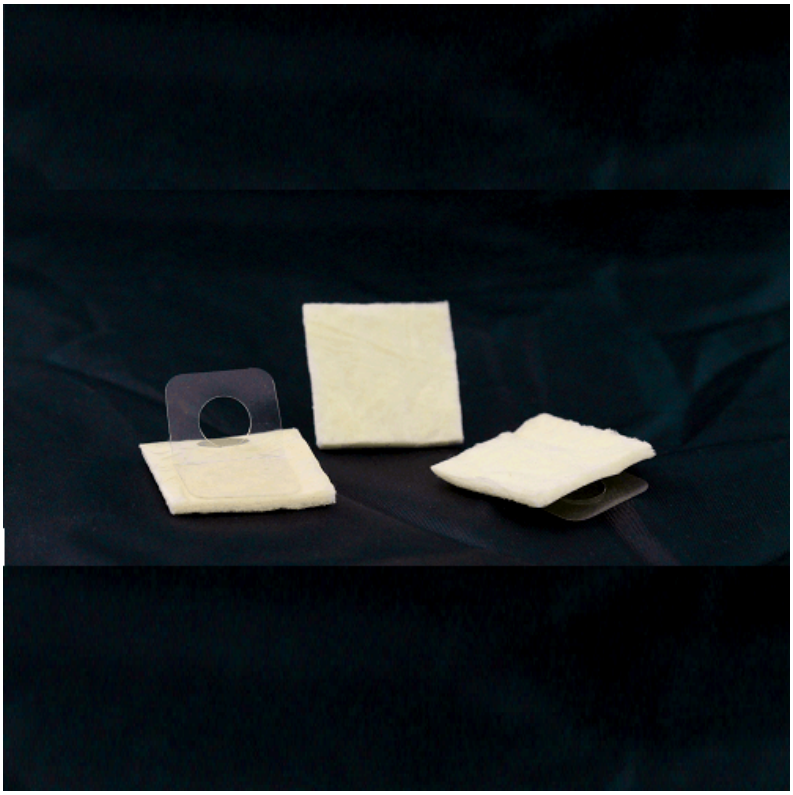
ANALYT MESSTECHNIK



INSTRUCTIONS FOR USE

SKC Surface and Skin SWYPEs

Storage, the surface test and the skin test, the colour reactions, reading times, known interferents and lowest detection limits of the 17 SKC colorimetric SWYPEs, from aromatic amines to beryllium, and the solutions they are developed with.

AMTC-IN-0071

Rev. 1 · October 2026

About this document

These instructions cover the SKC Surface SWYPEs and Skin SWYPEs: colorimetric wipes that show contamination on surfaces, on items and on the skin by a colour change. They describe the test once for all SWYPEs, and list in tables what differs from one SWYPE to the next: the target compounds, the Cleaning/Developing Solution to use, the reading time, the colour reaction, the known interferents and the lowest detection limits.

Read Safety (p. 4) and Product and supplied items (p. 5) first, find your SWYPE in Table 2-1 (p. 6) or Table 2-2 (p. 6), then follow Procedure (p. 8) step by step.

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 and Skin SWYPEs — Instructions for use
Document number	AMTC-IN-0071
Revision	Rev. 1 — October 2026
Applies to	SKC Surface SWYPEs 769-1019 to 769-1030 and Skin SWYPEs 769-1031 to 769-1038
Language	English
Manufacturer	SKC Inc.
Related documents	SKC D-TAM and D-TAM Gold Skin Cleansers — Instructions for use (AMTC-IN-0006); SKC DECONtamination Solution for Aromatic Amines — Instructions for use (AMTC-IN-0007); SKC DECONtamination Solution for Isocyanates — Instructions for use (AMTC-IN-0008)

Revision history

Rev.	Date	Change
1	October 2026	First issue.

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CHAPTER 1

Safety

Read this chapter before you use the SWYPEs. Its messages are repeated in the steps where they apply.

Intended use

A Surface SWYPE tests an area or an item, for example a workbench, a tool or a control knob, for the compounds it is made for. A Skin SWYPE tests the skin. Each SWYPE is developed with the Cleaning/Developing Solution named for it in Table 2-1 (p. 6) or Table 2-2 (p. 6), and its colour is read within the reading time given there.

Storage and reading

⚠ CAUTION

Do not store with food. SWYPEs stored next to food can contaminate it, and eating contaminated food can harm you. Store the SWYPEs at ambient temperature, and never with food.

NOTICE

Check the expiry date. The SWYPEs have a limited shelf life, and an expired SWYPE may not change colour reliably, so the result is then invalid. Use only SWYPEs within the expiry date printed on the packaging.

NOTICE

Read within the reading time only. A colour read outside the reading time of the SWYPE gives no valid result. Read the colour within the time given in Table 2-1 (p. 6) or Table 2-2 (p. 6).

CHAPTER 2

Product and supplied items

SKC SWYPEs are colorimetric wipes. Developed with their Cleaning/Developing Solution, they change colour where the compound they are made for is present.

Surface SWYPE and Skin SWYPE

A **Surface SWYPE** is a pad. You spray the area or item with Cleaning/Developing Solution, wipe it with the pad, and the colour develops on the pad.

A **Skin SWYPE** has two parts: a cloth portion for wiping the skin and a colour detection strip. You develop it in the small cup provided: the solution wicks up from the cloth to the strip, and the strip changes colour if contamination is present.

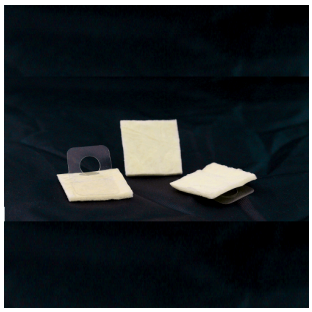


Figure 2-1. Surface SWYPEs.



Figure 2-2. Skin SWYPEs: cloth portion and colour detection strip.

SWYPEs and their differences

Each SWYPE is made for one group of compounds and is developed with its own Cleaning/Developing Solution. The tables give, for each SWYPE, the solution, the reading time, the colour reaction and the known interferents. All SWYPEs are stored and kept alike (see Storage and shelf life (p. 7)).

Table 2-1. Surface SWYPEs

Target	Order code	Cleaning/Developing Solution	Reading time	Colour reaction	Known interferents
Aromatic amines	769-1021	769-1041 or 769-1061	3 min	MOCA and MDA: red-orange; Ethacure: blue	MDI (methylene diphenyl diisocyanate)
Aromatic isocyanates	769-1022	769-1062	3 min	red-orange, specific for isocyanates	none
Aliphatic isocyanates	769-1023	769-1062	3 min	red-orange, specific for aliphatic isocyanates	none
Aliphatic amines	769-1025	769-1065	3 min	fuchsia: aliphatic amines may be present. The reaction detects the alkaline pH of aliphatic amines.	none
Acid/base	769-1026	769-1066	—	acid: from neutral (orange) to fuchsia/magenta at pH 3; caustic: to blue at pH 9.5	none
Phenols	769-1027	769-1067	3 min	red, specific for phenol	none
Nickel	769-1028	769-1068 or 769-1054	3 min	pink	none
Lithium	769-1019	769-1056	3–5 min	bright pink	nickel*
Hexavalent chromium	769-1030	769-1070	3 min	purple/violet	iron, copper, molybdenum, vanadium
Beryllium	769-1020	ask Analyt-MTC	3 min	dark pink to red	aluminium, iron and chromium

* To confirm that nickel is present, test with the Surface SWYPE for Nickel 769-1028 and Cleaning/Developing Solution 769-1068.

Table 2-2. Skin SWYPEs

Target	Order code	Cleaning/Developing Solution	Reading time	Colour reaction	Known interferents
Aromatic amines	769-1031	769-1041 or 769-1061	3 min	MOCA and MDA: red-orange; Ethacure: blue	MDI
Aromatic isocyanates	769-1032	769-1062	3 min	red-orange, specific for isocyanates	none
Aliphatic isocyanates	769-1033	769-1062	3 min	red-orange, specific for isocyanates	none
Aliphatic amines	769-1035	769-1065	3 min	fuchsia: aliphatic amines may be present. The reaction detects the alkaline pH of aliphatic amines.	none
Acid/base	769-1036	769-1066	3 min	acid: from neutral (orange) to fuchsia/magenta at pH 3; caustic: to blue at pH 9.5	none
Phenols	769-1037	769-1067	3 min	red, specific for phenol	none
Nickel	769-1038	769-1068 or 769-1054	3 min	pink	none

The names of the solutions are in Ordering information (p. 11). The semi-quantitative colour reaction chart of the SWYPEs is available from Analyt-MTC.

CHAPTER 3

Before use

Storage and shelf life

Storage	at ambient temperature
Stability	stable at ambient conditions
Shelf life	limited: see the expiry date on the packaging

⚠ CAUTION

Do not store with food. SWYPEs stored next to food can contaminate it, and eating contaminated food can harm you. Store the SWYPEs at ambient temperature, and never with food.

Before you start

NOTICE

Check the expiry date. The SWYPEs have a limited shelf life, and an expired SWYPE may not change colour reliably, so the result is then invalid. Use only SWYPEs within the expiry date printed on the packaging.

1. Find your SWYPE in Table 2-1 (p. 6) or Table 2-2 (p. 6).
2. Have the Cleaning/Developing Solution named there at hand. For a Skin SWYPE, also have the small cup provided at hand.

CHAPTER 4

Procedure

Test a surface or an item

> **Note**
> **Porous surface, Surface SWYPE for Lithium.** Do not spray the area or item: spray the Surface SWYPE pad instead, wipe the surface with it immediately and continue with step 4.

1. Lightly spray the area or item, for example a workbench, a tool or a control knob, with the Cleaning/Developing Solution of the SWYPE.
2. Wait at least 30 seconds.
3. Wipe the sprayed area or item with a Surface SWYPE pad.
4. Let the colour develop on the pad for the reading time given for the SWYPE in Table 2-1 (p. 6).

   NOTICE

   Read within the reading time only. A colour read outside the reading time of the SWYPE gives no valid result. Read the colour within the time given in Table 2-1 (p. 6) or Table 2-2 (p. 6).
5. Read the colour of the pad and compare it with the colour reaction in Table 2-1 (p. 6).

The test is complete. The colour reaction in the table tells you what the colour means.

Test the skin

1. Wipe the skin with the cloth portion of the Skin SWYPE.
2. Pour Cleaning/Developing Solution of the SWYPE into the small cup provided, ¼ in deep.
3. Put the Skin SWYPE in the cup, cloth end down and colour detection strip up. The solution wicks up to the colour detection strip, and the strip changes colour if contamination is present.
4. Let the colour develop on the strip for 3 minutes.

   NOTICE

   Read within the reading time only. A colour read outside the reading time of the SWYPE gives no valid result. Read the colour within the time given in Table 2-1 (p. 6) or Table 2-2 (p. 6).
5. Read the colour of the strip and compare it with the colour reaction in Table 2-2 (p. 6).

The test is complete. A colour change of the strip shows that the skin is contaminated.

CHAPTER 5

After use and sample handling

After a positive result

A SWYPE gives its result where you test: it is read on the spot. Where a SWYPE shows contamination, the products listed with the SWYPEs in Ordering information (p. 11) clean the area or the skin:

- DECONtamination Solution for aromatic amines, for isocyanates and for hexavalent chromium, for areas and items;
- D-TAM Skin Cleanser, for the skin.

How to use the D-TAM skin cleansers and the DECONtamination Solutions for aromatic amines and for isocyanates is described in their own instructions: AMTC-IN-0006, AMTC-IN-0007 and AMTC-IN-0008.

Disposal

Dispose of used SWYPEs and their packaging under local regulations.

CHAPTER 6

Specifications

Lowest detection limits

Table 6-1 gives the lowest detection limit (LDL) of the SWYPEs for single compounds. Surface and Skin SWYPEs for the same target have the same LDLs. For other specific aromatic amines or aromatic isocyanates, ask Analyt-MTC. The acid/base SWYPEs (769-1026, 769-1036) change colour at pH 3 and pH 9.5 (see Table 2-1 (p. 6)).

Table 6-1. Lowest detection limits

Compound	LDL (µg)
AROMATIC AMINES (769-1021, 769-1031)	
4,4'-Methylene-bis(2-chloroaniline) (MOCA)	2
Aniline	3
4,4'-Methylenedianiline (MDA)	15
AROMATIC ISOCYANATES (769-1022, 769-1032)	
2,4-Toluene diisocyanate	1.5
2,6-Toluene diisocyanate	4
4,4'-Methylenebis(phenyl isocyanate)	2
ALIPHATIC ISOCYANATES (769-1023, 769-1033)	
Hexamethylene diisocyanate (HDI)	2
4,4'-Diisocyanatodicyclohexylmethane (HMDI)	3
Isophorone diisocyanate (IPDI)	3
ALIPHATIC AMINES (769-1025, 769-1035)	
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

Compound	LDL (µg)
PHENOLS (769-1027, 769-1037)	
Bisphenol A	2
2,4,6-Trichlorophenol	2
2-Chlorophenol	2
NICKEL (769-1028, 769-1038)	
Nickel	3
LITHIUM (769-1019)	
Lithium chloride	0.6
HEXAVALENT CHROMIUM (769-1030)	
Chromium(VI) oxide	0.2
BERYLLIUM (769-1020)	
Beryllium acetate	0.6

CHAPTER 7

Ordering information

Order from Analyt-MTC with the order codes.

Description	Order code
SURFACE SWYPES	
Surface SWYPE for Aromatic Amines	769-1021
Surface SWYPE for Aromatic Isocyanates	769-1022
Surface SWYPE for Aliphatic Isocyanates	769-1023
Surface SWYPE for Aliphatic Amines	769-1025
Surface SWYPE for Acid/Base	769-1026
Surface SWYPE for Phenols	769-1027
Surface SWYPE for Nickel	769-1028
Surface SWYPE for Lithium	769-1019
Surface SWYPE for Hexavalent Chromium	769-1030
Surface SWYPE for Beryllium	769-1020
SKIN SWYPES	
Skin SWYPE for Aromatic Amines	769-1031
Skin SWYPE for Aromatic Isocyanates	769-1032
Skin SWYPE for Aliphatic Isocyanates	769-1033
Skin SWYPE for Aliphatic Amines	769-1035
Skin SWYPE for Acid/Base	769-1036
Skin SWYPE for Phenols	769-1037
Skin SWYPE for Nickel	769-1038
CLEANING/DEVELOPING SOLUTIONS	
Cleaning/Developing Solution for Aromatic Amines	769-1041
Cleaning/Developing Solution for Aromatic Amines, 22 oz	769-1061
Cleaning/Developing Solution for Isocyanates, spray bottle	769-1062
Cleaning/Developing Solution for Aliphatic Amines, 22 oz	769-1065
Cleaning/Developing Solution for Acid/Base, 22 oz	769-1066
Cleaning/Developing Solution for Phenols, 22 oz	769-1067
Cleaning/Developing Solution for Nickel, 22 oz	769-1068
Cleaning/Developing Solution for Nickel, 1 gal	769-1054
Cleaning/Developing Solution for Lithium, 22-oz spray bottle	769-1056
Cleaning/Developing Solution for Hexavalent Chromium, 22 oz	769-1070
Cleaning/Developing Solution for Beryllium, 22 oz	Ask Analyt-MTC
DECONTAMINATION AND SKIN CLEANING	
DECONtamination Solution for Aromatic Amines, 22-oz spray bottle	769-1071
DECONtamination Solution for Isocyanates, 22-oz spray bottle	769-1072
DECONtamination Solution for Hexavalent Chromium, 22 oz	769-1074
D-TAM Skin Cleanser, 8-oz personal size	769-5011
D-TAM Gold Skin Cleanser, 8-oz personal size	769-5021

CHAPTER 8

Service and contacts

Contact and support

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+33 3 89 41 47 78

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www.analyt-mtc.com

Before you call

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

- the order code of the SWYPEs and of the solution;
- the lot number and expiry date on the packaging;
- the compound you test for, and where.

Contact Analyt-MTC for SWYPEs, solutions, the semi-quantitative colour reaction chart, tests for other specific compounds, technical questions and warranty matters concerning your SKC SWYPEs.
Warranty is handled under Analyt-MTC's terms of sale. Analyt-MTC's contact details are in this chapter and on the back cover.

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