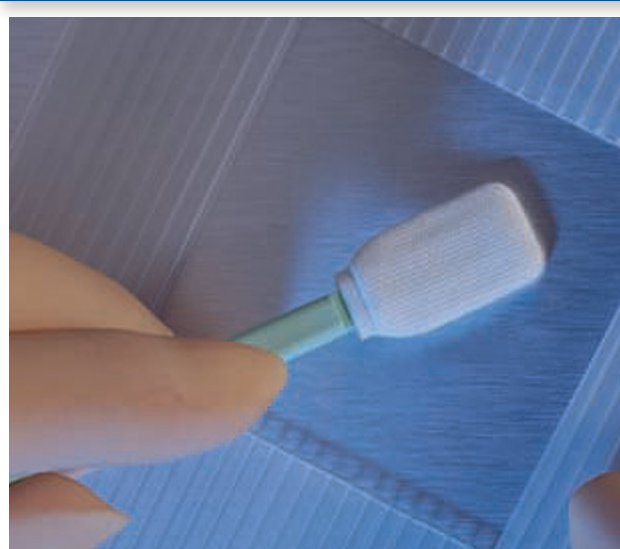


Swab Sampling Proper Procedure



Prep



- A.** Select appropriate swab (see below chart)
- B.** Define area/region to be tested
- C.** Dampen swab with diluent

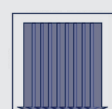
Sampling

Step 1 - Swab 1 / Side 1



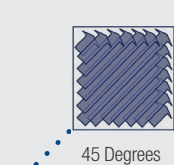
Flip swab over, swab in perpendicular direction

Step 2 - Swab 1 / Side 2



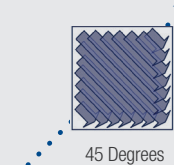
Flip swab over, swab in perpendicular direction

Step 3 - Swab 2 / Side 1



45 Degrees

Step 4 - Swab 2 / Side 2



45 Degrees

- A.** Swab with overlapping pattern (see Step 1)
- B.** Flip swab and repeat, passing swab in perpendicular direction (see Step 2)
- C.** Repeat procedure with second swab at 45° angles (see Steps 3 and 4)
- D.** Swab the perimeter

Note! Swab with entire head flat against testing surface. (see Figure 1)

Transfer



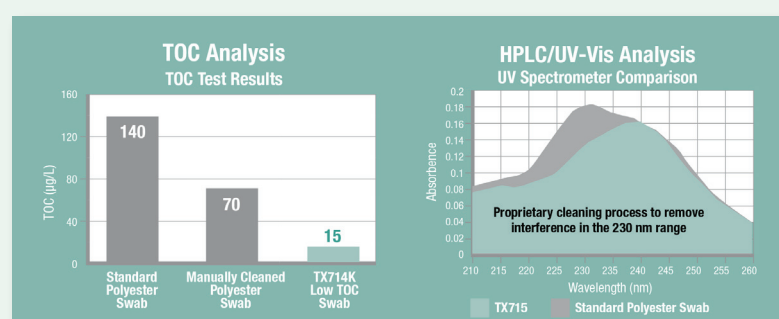
- A.** Snap swab head at the notch along edge of swab handle
- B.** Allow swab head to fall into vial (see picture 3)
- C.** Transfer for TOC or HPLC analysis

Swab Requirements

- Minimal background interference
- High recovery rate
- Low particle generation

Where to Perform Swab Sampling

- Irregular Surfaces
- Hard-to-reach areas
- Presence of product/cleaning residue
- Heated surfaces
- Porous surfaces



Example of Contaminant Release on TX714K

- Clean swab (5x magnification)
- Swab after use (5x magnification)
- Swab after contaminant release (5x magnification)

Swab Selection Guide

Texwipe Cleaning Validation Series Swabs

TX714K

Low TOC Alpha® Swab - cleaned to a level of <50µg/L TOC. This minute level makes this swab the ideal tool for use in Cleaning Validation of equipment used in the manufacture of APIs, excipients and drugs.



TX761K

Low TOC Alpha® Swab, Low TOC Alpha® Swab with long handle



TX715

Alpha® Sampling Swab - Polyester swab for HPLC sampling/cleaning validation



TX716

Large Absorbond® Sampling Swab Ideal tool for use in Cleaning Validation of equipment used in the manufacture of APIs, excipients, drugs, and biotech products



Texwipe TOC Cleaning Validation Kits

TX3340

Packaged in cleanroom-compatible polypropylene boxes, contains the components necessary to sample 12 different areas and provide for efficient transport from production to laboratory with minimal chance of contamination.

12 vials + 24 swabs/kit



TX3342

Packaged in cleanroom-compatible polypropylene boxes, contains the components necessary to sample 72 different areas and provide for efficient transport from production to laboratory with minimal chance of contamination.

72 vials + 144 swabs



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