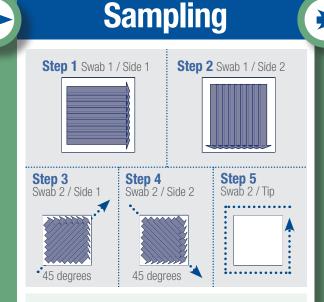


Cleaning Validation Swab Sampling Procedure

Preparation



- 1. Select appropriate swab (see below Swab Selection Guide)
- 2. Define area/region to be tested
- **3.** Do not touch the swab handle below the notch line.
- 4. Dampen swab with diluent



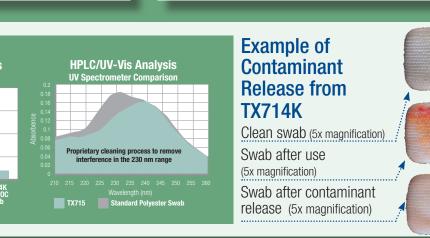
- **STEP 1.** Begin sampling by swabbing the surface using horizontal, unidirectional, parallel strokes
- **STEP 2.** Flip the swab over and swab in a perpendicular direction using the same technique
- STEPS 3 & 4. Repeat procedure with second swab at 45° angles. Flip the swab over for Step 4
- **STEP 5.** Swab the perimeter with the swab tip

NOTE: Swab using the entire head flat against testing surface.

Transfer



- **1.** Snap swab head at the notch along edge of swab handle
- 2. Allow swab head to fall into vial
- **3.** Replace the cap, label the sample and transfer for TOC or HPLC analysis



TOC Cleaning Validation Kits

Swab **Requirements**

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

Typical Swab

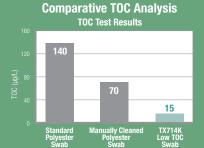
- Irregular Surfaces
- Hard-to-reach areas
- Presence of product/

• Heated surfaces

Porous surfaces

Sampling Locations

- cleaning residue



Swab Selection Guide

Cleaning Validation Series Swabs

TX714K TX761K TX715 **TX716** Low TOC Alpha® Large Absorbond® Low TOC Alpha® Alpha[®] Sampling Sampling Swab -Swab - cleaned to Swab with long Swab - Polyester a level of <50 µg/L swab for HPLC handle Ideal tool for use in **Cleaning Validation** TOC. This minute sampling in level makes this swab cleaning validation of equipment used TX3342 TX3340 TX3343 the ideal tool for use in the manufacture 12 vials + 24 TX761K swabs/kit 72 vials + 12 vials in Cleaning Validation of APIs, excipients, 144 TX714K swabs/kit 24 TX714K swabs/kit of equipment used in drugs, and for 12 sampling areas for 72 sampling areas for 12 sampling areas biotech products the manufacture of APIs, excipients and • Packaged in cleanroom-compatible polypropylene boxes drugs. · Contain all the components necessary to sample different areas • Provide for efficient transport from production to laboratory with minimal chance of contamination.

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