

TECHNICAL DATA SHEET

TX714A Alpha® Large



TX743B Alpha® Small



TX754B Alpha® Mini



TX758B Alpha® Micro*



TX761 Alpha® Long Handle*



Description

Texwipe's Alpha® Swab Series is made from the cleanest 100% polyester knit materials. The complete thermal bond construction eliminates adhesive contamination.

Cleanroom manufactured, made to exacting and consistent tolerances using high-precision automated processes. Lot coded for traceability and quality control. Packaged in a silicone-free and amide-free bag.

*Also available in ESD. See ESD-Safe Series Swabs

Features & Benefits

- Double layer of polyester knit fabric for enhanced absorbency
- Engineered to resist snagging and abrading, preventing the release of particles and fibers
- Excellent chemical resistance for compatibility with a variety of solutions
- 100% virgin polypropylene handle ensures no additional contaminants are introduced while offering excellent chemical resistance
- Cleanroom laundered, providing ultra low levels of particles, NVRs (non volatile residues) and ions
- Autoclavable in dry heat and steam

Applications

- Precision spot cleaning of grooves, tracks, slots and other small spaces
- Applying and removing lubricants, adhesives and other solutions in a critical clean environment
- Solvent use (such as IPA)
- Appropriate for use with temperatures less than 410°F

Industries

- Biologics
- Medical Device
- Microelectronics
- Optics
- Pharmaceuticals
- Semiconductor

Products

See reverse for Physical and Contamination Characteristics

Sterile Available

All swabs available in sterile upon request.

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Physical Characteristics

| | TX714A | TX743B | TX754B | TX758B | TX761 |
|-------------------|--|---------------------------------|---------------------------------|--------------------------------------|-----------------------------------|
| Head material | Knitted Alpha® polyester | Knitted Alpha® polyester | Knitted Alpha® polyester | Knitted Alpha® polyester | Knitted Alpha® polyester |
| Head width | 12.7 mm (0.500") | 4.0 mm (0.157") | 3.5 mm (0.138") | 3.2 mm (0.126") | 6.8 mm (0.268") |
| Head thickness | 4.2 mm (0.165") | 3.6 mm (0.142") | 3.0 mm (0.118") | 2.5 mm (0.098") | 2.8 mm (0.110") |
| Head length | 25.7 mm (1.012") | 12.0 mm (0.472") | 9.5 mm (0.374") | 11.0 mm (0.433") | 16.8 mm (0.661") |
| Handle material | Polypropylene | Polypropylene | Polypropylene | Polypropylene | Polypropylene |
| Handle width | 5.2 mm (0.205") | 3.0 mm (0.118") | 2.4 mm (0.095") | 2.2 mm (0.087") | 3.2 mm (0.126") |
| Handle thickness | 3.0 mm (0.118") | 3.0 mm (0.118") | 2.4 mm (0.095") | 2.2 mm (0.087") | 3.2 mm (0.126") |
| Handle length | 101.8 mm (4.008") | 58.3 mm (2.295") | 60.0 mm (2.362") | 60.0 mm (2.362") | 145.5 mm (5.728") |
| Total swab length | 127.5 mm (5.020") | 70.3 mm (2.768") | 69.5 mm (2.736") | 70.0 mm (2.756") | 162.3 mm (6.390") |
| Head bond | Thermal | Thermal | Thermal | Thermal | Thermal |
| Handle color | Light green | Light green | Light green | Light green | Light green |
| Design notes | Flat head paddle; long, easy-grip handle | Rigid head core; compact handle | Rigid head core; compact handle | Flexible head paddle; compact handle | Flexible head paddle; long handle |

Contamination Characteristics

| Ions, µg/swab | TX714A | TX743B | TX754B | TX758B | TX761 |
|---------------|--------|--------|--------|--------|-------|
| Calcium | 0.07 | 0.01 | 0.03 | 0.03 | 0.01 |
| Chloride | 0.12 | 0.05 | 0.05 | 0.12 | 0.01 |
| Fluoride | 0.08 | 0.02 | 0.02 | 0.01 | 0.01 |
| Magnesium | 0.03 | 0.02 | 0.01 | 0.01 | 0.01 |
| Nitrate | 0.06 | 0.02 | 0.02 | 0.02 | 0.01 |
| Phosphate | 0.06 | 0.11 | 0.04 | 0.01 | 0.01 |
| Potassium | 0.06 | 0.04 | 0.03 | 0.01 | 0.01 |
| Sodium | 0.16 | 0.04 | 0.05 | 0.02 | 0.01 |
| Sulfate | 0.11 | 0.09 | 0.07 | 0.06 | 0.01 |

Nonvolatile residue, mg/swab

| | | | | | |
|----------------|------|------|------|------|------|
| DIW extractant | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| IPA extractant | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

Products

| Number | Description | Packaging |
|---------------|------------------------------|---|
| TX714A | Large Alpha® Swab | 100 swabs/bag; 2 inner bag of 50 swabs; 10 bags/case |
| TX743B | Small CleanFoam® Swab | 500 swabs/bag; 5 inner bag of 100 swabs; 5 bags/case |
| TX754B | Mini Alpha® Swab | 500 swabs/bag; 5 inner bag of 100 swabs; 5 bags/case |
| TX758B | Micro Alpha® Swab | 500 swabs/bag; 5 inner bag of 100 swabs; 5 bags/case |
| TX761 | Alpha® Swab with Long Handle | 100 swabs/bag; 1 inner bag of 100 swabs; 10 bags/case |

Testing Method: TM2: Laboratory Testing for Swabs. Test method is available upon request. Values are typical, not representing specification limits.

Texwipe Regulatory Certificates

Texwipe is the only wiper company to be registered: ISO 9001 • ISO 13485 • ISO 14001 • OHSAS 18001