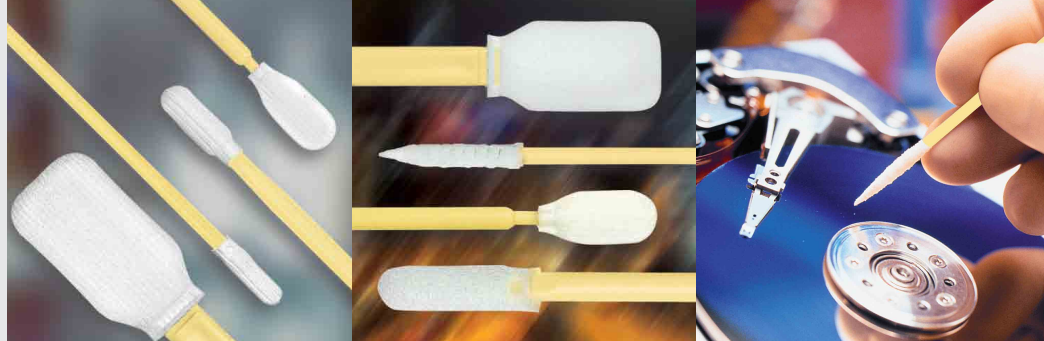


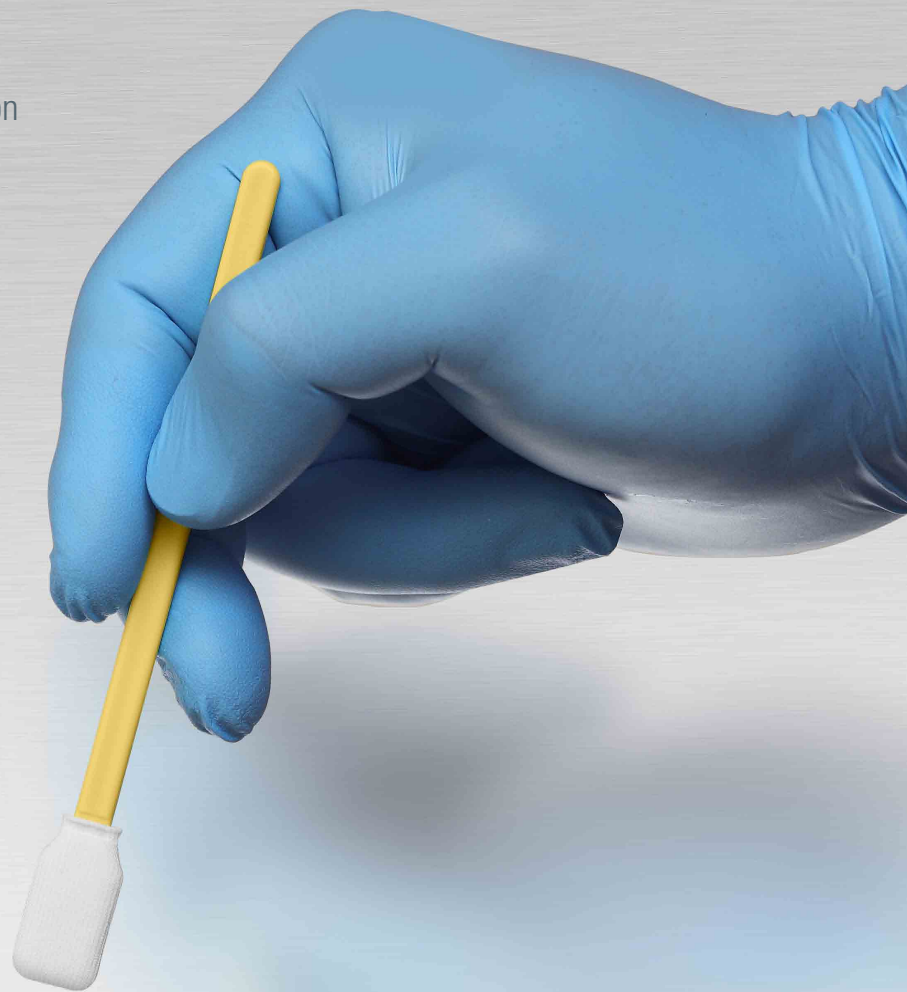
Berkshire

ENGINEERED CLEAN



SWABS FOR CRITICAL CLEANING

Lab-Tips® Swabs are exceptionally pure for precision cleaning, surface sampling, and validation procedures. Berkshire offers an extensive range of high quality polyester knit, foam, and nonwoven materials to choose from.



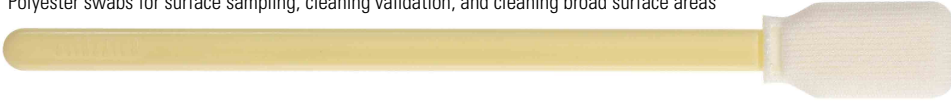
LAB-TIPS® SWAB
SELECTOR GUIDE

Lab-Tips® Knitted Polyester Swabs

Cleanroom Laundered Double Layer 100% Polyester Knit Swab Heads

| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|-----------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|-----------------------|
| LTP125 | 12.7mm (0.500") | 5mm (0.196") | 25mm (0.984") | 5.5mm (0.216") | 2.8mm (0.110") | 100mm (3.94") | 125mm (4.92") | Thermal | Rigid | 100 Swabs/Pk, 5Pks/Cs |

Polyester swabs for surface sampling, cleaning validation, and cleaning broad surface areas



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|-----------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTP1465 | 7mm (0.275") | 4mm (0.157") | 16.8mm (0.661") | 3.1mm (0.122") | 3.1mm (0.122") | 145mm (5.71") | 162mm (6.38") | Thermal | Flexible | 100 Swabs/Pk, 10Pks/Cs |

Polyester swabs with long handle for surface sampling, cleaning validation, and cleaning hard to reach places



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTP70F | 4mm (0.157") | 2.5mm (0.098") | 11mm (0.433") | 2.2mm (0.086") | 2.2mm (0.086") | 59mm (2.32") | 70mm (2.75") | Thermal | Flexible | 100 Swabs/Pk, 20Pks/Cs |

Polyester swabs with flexible paddle head for cleaning grooved, slotted, and recessed areas



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|-----------------|----------------|------------------|---------------|-------------------|-----------|-----------|-------------------------|
| LTP70R | 4mm (0.157") | 4mm (0.157") | 12.5mm (0.492") | 2.8mm (0.110") | 2.8mm (0.110") | 58mm (2.28") | 70mm (2.76") | Thermal | Rigid | 100 Swabs/Pk, 20 Pks/Cs |

Polyester swab with short handle and rigid core for general purpose cleaning and controlled application



Lab-Tips® Cleanroom Laundered Foam Swabs

Cleanroom Laundered 100 ppi Open-Cell Polyurethane Foam Swab Heads

| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|-----------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTO1465 | 7mm (0.275") | 3mm (0.118") | 16.8mm (0.661") | 3.1mm (0.122") | 3.1mm (0.122") | 145mm (5.71") | 162mm (6.38") | Thermal | Flexible | 100 Swabs/Pk, 10Pks/Cs |

Foam sock head swab with long handle for cleaning hard to reach areas



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTO70P | 4mm (0.157") | 4mm (0.157") | 20mm (0.787") | 2.5mm (0.098") | 2.5mm (0.098") | 50mm (1.97") | 70mm (2.75") | Thermal | Pointed | 100 Swabs/Pk, 20Pks/Cs |

Foam sock swab with precision pointed head for cleaning small slotted and grooved areas



Lab-Tips® Cleanroom Laundered Foam Swabs

Cleanroom Laundered 100 ppi Open-Cell Polyurethane Foam Swab Heads

| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTO70F | 4mm (0.157") | 2mm (0.078") | 11mm (0.433") | 2.2mm (0.086") | 2.2mm (0.086") | 59mm (2.32") | 70mm (2.75") | Thermal | Flexible | 100 Swabs/Pk, 20Pks/Cs |

Foam swab with short handle for general purpose cleaning



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|-----------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTO70R | 4mm (0.157") | 4mm (0.157") | 12.5mm (0.492") | 2.8mm (0.110") | 2.8mm (0.110") | 58mm (2.28") | 70mm (2.75") | Thermal | Rigid | 100 Swabs/Pk, 20Pks/Cs |

Foam swab with short handle and rigid core for general purpose cleaning and controlled application



Lab-Tips® Closed Cell Foam Swabs

100 ppi Closed Cell Polyurethane Foam Swab Heads

| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|---------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|-----------------------|
| LTC125 | 13mm (0.511") | 8mm (0.315") | 25mm (0.984") | 5.5mm (0.216") | 2.8mm (0.110") | 100mm (3.94") | 125mm (4.92") | Thermal | Rigid | 100 Swabs/Pk, 5Pks/Cs |

Foam swab with large rectangular rigid paddle for general purpose cleaning



Lab-Tips® Nonwoven 100% Polyester Swabs

Hydroentangled 100% Polyester Swab Heads

| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTN1465 | 7mm (0.275") | 4mm (0.118") | 17mm (0.670") | 3.1mm (0.157") | 3.1mm (0.157") | 145mm (5.71") | 162mm (6.38") | Thermal | Flexible | 100 Swabs/Pk, 10Pks/Cs |

Nonwoven polyester swab with long handle and flexible tip for surface sampling and cleaning hard to reach areas



| Part No. | Head Width | Head Thickness | Head Length | Handle Width | Handle Thickness | Handle Length | Total Swab Length | Head Bond | Head Type | Packaging |
|----------|--------------|----------------|---------------|----------------|------------------|---------------|-------------------|-----------|-----------|------------------------|
| LTN70F | 4mm (0.157") | 2mm (0.078") | 11mm (0.433") | 2.2mm (0.086") | 2.2mm (0.086") | 59mm (2.32") | 70mm (2.75") | Thermal | Flexible | 100 Swabs/Pk, 20Pks/Cs |

Nonwoven polyester swab with small flexible tip for cleaning very small grooved or slotted areas



HEAD TYPE

Berkshire Lab-Tips® swabs are available with various types of tip materials to ensure the right swab is available for your needs.

- Knitted polyester:** Berkshire's knitted polyester swabs are made from clean room laundered continuous filament polyester for exceptional purity and offer low ionic contamination levels along with excellent durability and absorbent capacity. Knitted polyester swabs have excellent chemical resistance and are compatible with organic solvents.
- Reticulated (Open Cell) foam:** Reticulated or open cell foams are structures in which the cell windows have been removed by thermal or chemical means. This process results in a structure that has excellent liquid retention and particle entrapment capability. Berkshire's open cell foam swabs are made from clean room laundered 100ppi polyurethane foam for superior cleanliness.
- Non-reticulated: (Closed Cell) foam:** Closed cell foams are completely sealed with cell windows intact. Closed cell foams generally exhibit higher density, greater durability and reduced absorption versus open cell foams. Berkshire's closed cell foam swabs are manufactured from 100 ppi polyurethane.
- Nonwoven Polyester:** Swabs made from 100% polyester nonwoven material are absorbent, non-abrasive and have very low ionic contamination and NVR levels. These swabs are also compatible with most solvents.
- PPI (Pores/Linear inch) :** The number of cells per linear inch in the foam membrane. A measure of foam density.

PACKAGING

Berkshire's swabs are double bagged in cleanroom bags manufactured from high purity polyethylene resin that insures ultra low organic and inorganic residues. Bags are free from silicone, amides, and DOP and comply with RoHS directives. An easy tear notch and solvent resistant inner pack labels insure ease of use.



Berkshire Swabs, Quality You Can Count On

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