Berkshire

ENGINEERED CLEAN

CONTAMINATION CONTROL

PRODUCT CATALOG

SWABS | ESD SWABS | SAMPLING SWABS | TOC SWABS

LAB-TIPS® SWABS GUIDE

Berkshire's Lab-Tips® swabs are exceptionally pure for precision cleaning, surface sampling, applying lubricants and other liquids, and other validation procedures.

SWAB SELECTION GUIDE

PRODUCT	HEAD MATERIAL	SWAB FORM	HEAD TYPE	HANDLE LENGTH	LAUNDERED	TOC	ESD
LTP70F	KNITTED POLYESTER	SOCK	FLEXIBLE	SHORT	●		
LTP70R	KNITTED POLYESTER	SOCK	RIGID	SHORT	●		
LTP125	KNITTED POLYESTER	SOCK	RIGID	MEDIUM	●		
LTP125S	KNITTED POLYESTER	SOCK	SEMI-FLEXIBLE	MEDIUM	●		
LTP1465	KNITTED POLYESTER	SOCK	FLEXIBLE	LONG	●		
LTP1465ESD	KNITTED POLYESTER	SOCK	FLEXIBLE	LONG	●		●
LTP125TOC	KNITTED POLYESTER	SOCK	SEMI-FLEXIBLE	MEDIUM	●	●	
LTO70F	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		
LTO70R	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		
LTO70RESD	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		●
LTO70P	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		
LTO70PESD	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		●
LTA03163	OPEN CELL FOAM	SOCK	RIGID	SHORT	●		
LT000125	OPEN CELL FOAM	SOCK	RIGID	MEDIUM	●		
LT01465	OPEN CELL FOAM	SOCK	FLEXIBLE	LONG	●		
LTC125	CLOSED CELL FOAM	SOCK	RIGID	MEDIUM			
LTN70F	NONWOVEN POLYESTER	SOCK	FLEXIBLE	SHORT			
LTN70F	NONWOVEN POLYESTER	SOCK	FLEXIBLE	LONG			

CONSTRUCTION

Sock tips are made by sandwiching the swab handle between multiple layers of thermoplastic head material. The head material is completely sealed and bonded to the handle with heat and pressure. No contaminating adhesives are used in the manufacturing of Berkshire's sock tip swabs.

PACKAGING

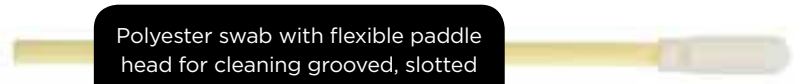
Lab-Tips® are double bagged in cleanroom bags manufactured from high purity polyethylene resin that ensures ultra-low organic and inorganic residues. Bags are free from silicone, amides, and DP and comply with RoHS directives. An easy tear notch and solvent resistant inner pack labels ensure ease of use.

LAB-TIPS® KNITTED POLYESTER SWABS

CLEANROOM LAUNDERED DOUBLE LAYER 100% POLYESTER KNIT SWAB HEADS

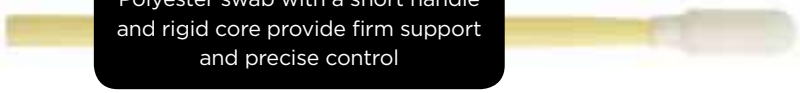
Berkshire's knitted polyester swabs are made from cleanroom laundered, continuous filament polyester for exceptional purity. They offer low ionic contamination levels along with excellent durability and absorbent capacity. Knitted polyester swabs have excellent chemical resistance and are compatible with organic solvents. The handles are made of 100% polypropylene.

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTP70F.20	4.0mm (0.157")	2.5mm (0.098")	11.0mm (0.433")	2.2mm (0.086")	2.2mm (0.086")	59.0mm (2.32")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE



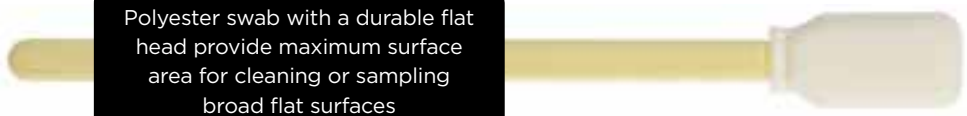
Polyester swab with flexible paddle head for cleaning grooved, slotted and recessed areas.

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTP70R.20	4.0mm (0.157")	4.0mm (0.157")	12.5mm (0.492")	2.8mm (0.11")	2.8mm (0.11")	58.0mm (2.28")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE



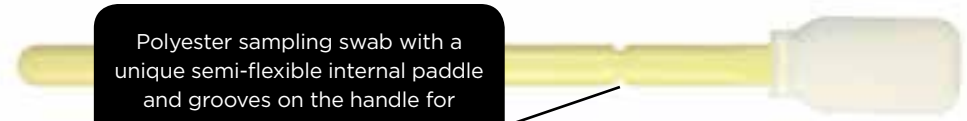
Polyester swab with a short handle and rigid core provide firm support and precise control

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTP125.5	12.7mm (0.50")	5.0mm (0.196")	25.0mm (0.984")	5.5mm (0.216")	2.8mm (0.11")	100.0mm (3.94")	125.0mm (4.92")	100 SWABS/PACK 5 PACKS/CASE



Polyester swab with a durable flat head provide maximum surface area for cleaning or sampling broad flat surfaces

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTP125S.25	12.7mm (0.50")	5.0mm (0.196")	25.0mm (0.984")	5.5mm (0.216")	2.8mm (0.11")	100.0mm (3.94")	125.0mm (4.92")	20 SWABS/PACK 25 PACKS/CASE
LTP125TOC.25	12.7mm (0.50")	5.0mm (0.196")	25.0mm (0.984")	5.5mm (0.216")	2.8mm (0.11")	100.0mm (3.94")	125.0mm (4.92")	20 SWABS/PACK 25 PACKS/CASE



Polyester sampling swab with a unique semi-flexible internal paddle and grooves on the handle for easy snapping

- Polyester designed for surface cleaning validation using the analytical technique of total organic carbon (TOC) analysis
- Each QC lot is certified with ultra-low TOC levels (<50ppb)
- Certificate of Conformance by lot number available 24/7 on the website

LAB-TIPS® KNITTED POLYESTER SWABS

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTP1465.10	7.0mm (0.275")	4.0mm (0.157")	16.8mm (0.661")	3.1mm (0.122")	3.1mm (0.122")	145.0mm (5.71")	162.0mm (6.38")	100 SWABS/PACK 10 PACKS/CASE
LTP1465ESD10	7.0mm (0.275")	4.0mm (0.157")	16.8mm (0.661")	3.1mm (0.122")	3.1mm (0.122")	145.0mm (5.71")	162.0mm (6.38")	100 SWABS/PACK 10 PACKS/CASE

Polyester swab with a long handle for cleaning hard to reach areas has high abrasion resistance for rigorous cleaning applications

Swab features an ESD pink handle, engineered with a static dissipative polymer and is packaged in an anti-static bag

LAB-TIPS® OPEN CELL (RETICULATED) FOAM SWABS

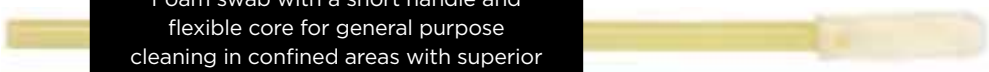
CLEANROOM LAUNDERED 100 PPI OPEN CELL POLYURETHANE FOAM SWAB HEADS

Open Cell or reticulated 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 have **excellent chemical resistance** and are compatible with organic solvents.

PPI = Pores/Linear Inch. The number of cells per linear inch in the foam membrane. A measure of foam density.

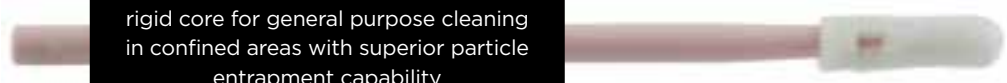
SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTO70F.20	4.0mm (0.157")	2.0mm (0.078")	11.0mm (0.433")	2.2mm (0.086")	2.2mm (0.086")	59.0mm (2.32")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE

Foam swab with a short handle and flexible core for general purpose cleaning in confined areas with superior particle entrapment capability



SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTO70R.20	4.0mm (0.157")	4.0mm (0.157")	12.5mm (0.492")	2.8mm (0.11")	2.8mm (0.11")	58.0mm (2.28")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE
LTO70RESD20	4.0mm (0.157")	4.0mm (0.157")	12.5mm (0.492")	2.8mm (0.11")	2.8mm (0.11")	58.0mm (2.28")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE

Foam swab with a short handle and rigid core for general purpose cleaning in confined areas with superior particle entrapment capability

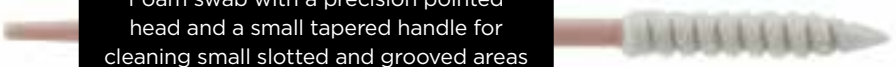


Swab features an ESD pink handle, engineered with a static dissipative polymer and is packaged in an anti-static bag

LAB-TIPS® OPEN CELL (RETICULATED) FOAM SWABS

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTO70P.20	4.0mm (0.157")	4.0mm (0.157")	20.0mm (0.787")	2.5mm (0.098")	2.5mm (0.098")	50.0mm (1.97")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASEL
LTO70PESD20	4.0mm (0.157")	4.0mm (0.157")	20.0mm (0.787")	2.5mm (0.098")	2.5mm (0.098")	50.0mm (1.97")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE

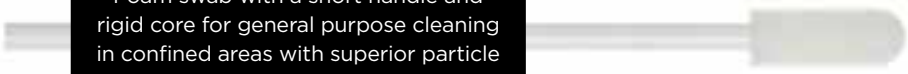
Foam swab with a precision pointed head and a small tapered handle for cleaning small slotted and grooved areas



Swab features an ESD pink handle, engineered with a static dissipative polymer and is packaged in an anti-static bag

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTA03163.10	5.0mm (0.19")	3.0mm (0.118")	13.0mm (0.5")	2.4mm (0.093")	2.4mm (0.093")	71.0mm (2.8")	76.0mm (3.0")	100 SWABS/PACK 10 PACKS/CASE

Foam swab with a short handle and rigid core for general purpose cleaning in confined areas with superior particle entrapment capability



SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LT000125.10	13.0mm (0.50")	9.0mm (0.35")	25.0mm (1.0")	5.0mm (0.093")	3.0mm (0.12")	125.0mm (4.9")	127.0mm (5.0")	100 SWABS/PACK 10 PACKS/CASE

Foam swab with an absorbent large rectangular flat head provides a maximum surface area for cleaning broad flat surfaces

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTO1465.10	7.0mm (0.275")	3.0mm (0.118")	16.8mm (0.661")	3.1mm (0.122")	3.1mm (0.122")	145.0mm (5.71")	162.0mm (6.38")	100 SWABS/PACK 10 PACKS/CASE

Foam swab with a long handle for cleaning hard to reach areas with good sorbency and excellent solvent hold

LAB-TIPS® CLOSED CELL (NON-RETICULATED) FOAM SWABS

CLEANROOM LAUNDERED 100 PPI CLOSED CELL POLYURETHANE FOAM SWAB HEADS

Closed Cell or non-reticulated 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.

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTC125.5	13.0mm (0.511")	8.0mm (0.315")	25.0mm (0.984")	5.5mm (0.216")	2.8mm (0.11")	100.0mm (3.94")	125.0mm (4.92")	100 SWABS/PACK 5 PACKS/CASE

Foam swab with a durable large rectangular head provide maximum surface area for cleaning broad flat surfaces

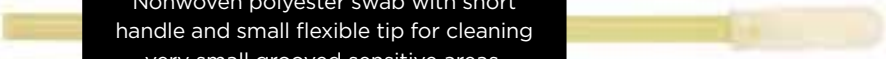
LAB-TIPS® NONWOVEN 100% POLYESTER SWABS

HYDROENTANGLED 100% POLYESTER SWAB HEADS

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.

SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTN70F.20	4.0mm (0.157")	2.0mm (0.078")	11.0mm (0.433")	2.2mm (0.086")	2.2mm (0.086")	59.0mm (2.32")	70.0mm (2.75")	100 SWABS/PACK 20 PACKS/CASE

Nonwoven polyester swab with short handle and small flexible tip for cleaning very small grooved sensitive areas, soft and non-abrasive



SKU	HEAD WIDTH	HEAD THICKNESS	HEAD LENGTH	HANDLE WIDTH	HANDLE THICKNESS	HANDLE LENGTH	TOTAL SWAB LENGTH	PACKAGING
LTN1465.10	7.0mm (0.275")	4.0mm (0.118")	17.0mm (0.67")	3.1mm (0.122")	3.1mm (0.122")	145.0mm (5.71")	162.0mm (6.38")	100 SWABS/PACK 10 PACKS/CASE

Nonwoven polyester swab with a long handle for cleaning hard to reach areas with good sorbency and excellent solvent hold

SWAB/SOLVENT COMPATIBILITY CHART

SOLVENT	HEAD SUBSTRATE	
	FOAM	POLYESTER
ACETIC ACID	U	U
ACETONE	S	U
ACETONITRILE	U	U
AMMONIA, ANHYDROUS	U	U
ANILINE	S	U
BENZENE	S	U
CARBON TETRACHLORIDE	S	U
CHLOROFORM	S	U
CHLOROPHENOL	D	D
CHROMIC ACID	D	D
CYCLOHEXANE	S	U
DIMETHYLFORMAMIDE	D	S
DIMETHYLSULFOXIDE	D	S
ETHYL ACETATE	S	U
ETHYL ALCOHOL	U	U
ETHYL CHLORIDE	S	U
FORMIC ACID	D	U
HEXANE	U	U

SOLVENT	HEAD SUBSTRATE	
	FOAM	POLYESTER
HYDROCHLORIC ACID 48%	D	D
HYDROGEN PEROXIDE	D	U
ISOPROPYL ALCOHOL	U	U
METHANOL	S	U
METHYL ETHYL KETONE	S	U
METHYLENE CHLORIDE	S	U
NITRIC ACID 100%	D	D
NITROBENZENE	S	U
PERCHLOROETHYLENE	U	U
PHOSPHORIC ACID 85%	D	U
SODIUM HYDROXIDE 36%	S	U
SULFURIC ACID 98%	D	D
TOLUENE	S	U
TRICHLOROETHYLENE	S	U
VINYL ACETATE	S	U
WATER	U	U
XYLENE	S	U

NOTE:
U = UNAFFECTED, **S** = SWELLS, **D** = DEGRADES

Berkshire

ENGINEERED CLEAN

CONTAMINATION CONTROL PRODUCT CATALOG

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