

## Lab-Tips® ESD Swab-LTP1465ESD

### ESD Knitted Polyester Swab with Long Handle

Cleanroom laundered double layer 100% polyester knit swab

The LTP1465ESD swab features an ESD long handle, engineered with static dissipative polymer. It is a general purpose swab specially suited for cleaning hard to reach areas. Its flexible paddle tip and durable cleanroom laundered knit head are excellent for rigorous cleaning applications.



#### Key Attributes

- Cleanroom laundered 100% continuous filament polyester knit head
- Long polypropylene handle with a flexible paddle head
- Laundered and packaged in ISO Class 4 {Class 10} cleanroom
- Static dissipative polypropylene handle with thermally bonded head

#### Benefits

- Critically low particles, fibers, ions and extractables
- High abrasion resistance for rigorous cleaning applications
- Excellent chemical resistance
- No contaminating adhesives
- Good sorbency
- Free from Silicone, amides and DOP
- Packaged in an anti-static bag

#### Environmental

- Complies with RoHS and REACH requirements

#### Applications

- Designed for the highest level of contamination control in critical processing applications
- Cleaning of sensitive equipment
- Applying lubricants and other liquids
- Surface sampling
- Cleaning validation
- Static sensitive applications
- Cleaning with solvents

#### Physical Characteristics

<b>Head Material</b>	Knitted Polyester	<b>Handle Thickness</b>	3.1mm {0.122"}
<b>Head Width</b>	7mm {0.275"}	<b>Handle Length</b>	145mm {5.71"}
<b>Head Thickness</b>	4mm {0.157"}	<b>Total Swab Length</b>	162mm {6.38"}
<b>Head Length</b>	16.8mm {0.661"}	<b>Head Bond</b>	Thermal
<b>Handle Material</b>	Polypropylene	<b>Handle Text</b>	Berkshire
<b>Handle Width</b>	3.1mm {0.122"}		

#### Other Knitted Polyester tip swabs

- LTP70PESD Pointed Swab
- LTP70RESL Short handle rigid head

[www.berkshire.eu.com](http://www.berkshire.eu.com)

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## Technical Data:

ATTRIBUTE		LTP1465ESD	TEST METHOD
Surface Resistivity of Handle	ohms	1.0 x 10 <sup>9</sup>	ANSI/ESD STM 11.13
Volume Resistance of Handle	ohms	1.0 x 10 <sup>8</sup>	ANSI/ESD STM 11.13
Non-Volatile Residue	IPA mg/swab	0.045	IEST-RP.CC004.3, Sec 7.1.2
Ions (µg/swab)	Chloride	0.035	IEST-RP.CC004.3, Sec 7.2.2
	Sulfate	0.023	
	Nitrate	ND*	
	Phosphate	ND*	
	Fluoride	ND*	
	Potassium	0.044	
	Calcium	0.036	
	Sodium	0.015	
	Magnesium	0.0052	

## Notes:

- Data shown are typical values
- Due to differences in test methods applied and equipment utilized by different swab manufacturers, valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
- \* ND\* = below the detection limit of the equipment.

## Order Information:

Product	Part Number	Size	Swabs/pk	Pks/cs	Case size
Long Handle ESD Foam Swab	LTP1465ESD10	162mm	100	10	180 x 150 x 170mm

## Other Berkshire products



Wipers



Glove Liners



Mop Systems



Documentation Systems



Face Masks



Swabs