



## Description

CleanWIPE® Swabs are designed for the most demanding cleanroom precision cleaning operations. 1000 Series Swabs employ the CleanWIPE® reticulated 100ppi foam to provide soft, absorbent cleaning performance. The CleanWIPE® swabs are available in a variety of head shapes and sizes enabling precision cleaning of optical, disk drive, and class III medical device components. Swab manufacturing, cleaning and packaging is performed in an ISO 13485, ISO 5 cleanroom to ensure maximum cleanliness and lot to lot uniformity. Swab handle and tip materials are traceable back to raw materials.

## Advantages

- Extremely low ionic and NVR levels for HDD and optic cleaning applications.
- Silicone and adhesive free to ensure streak free cleaning when wetted with solvents such as IPA.
- Super fine seal eliminates risk of scratching delicate optical assemblies.
- Proprietary washing process enables swabs to pass ISO 10993-5 cytotoxicity testing.
- Available in very small point and paddle style head shapes for cleaning of very small spaces.
- Available in pyrogen-free versions upon request.

## Cleanliness

### Particles

Less than 2000, .5µ to 25µ particles per swab

### TNVR's (mg/swab)

NVR (DI Water) < 0.15

NVR (IPA) < 0.40

### Ionics (µg/swab)

Chloride < 0.90

Magnesium < 0.02

Sodium < 0.2

Sulfate < 0.06

Fluoride N/D

Nitrate N/D

Bromide N/D

Potassium < 0.02

Calcium < 0.02



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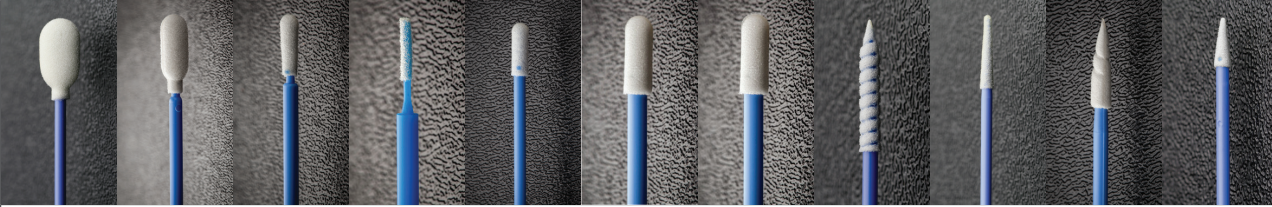
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## Ordering Information

Measured in Millimeters. ± 0.02

Part No.	HT1000	HT1001	HT1002	HT1009	HT1032	HT1034	HT1035	HT1046	HT1048	HT1049	HT1051
Image											
Head Material	CleanWIPE® Reticulated Polyurethane Foam										
Head Thickness	7.0	5.0	3.8	1.3	3.8	3.8	3.8	3.2	3.2	3.2	3.2
Head Width	11.0	6.0	4.1	1.3	3.8	3.8	3.8	3.2	3.3	3.2	3.2
Head Length	21.1	17.8	10.2	7.5	10.7	10.2	9.9	21.0	17.0	15.5	9.7
Handle Material	Polypropylene										
Handle Diameter	2.9	2.9	2.5	2.5	2.5	2.5	2.7	2.5	2.5	2.5	2.5
Handle Length	121.6	133.9	59.1	61.9	57.3	57.8	57.3	49.0	65.7	67.9	60.3
Total Swab Length	142.7	151.7	69.3	69.4	68.0	68.0	66.8	70.0	82.7	83.4	70.0
Head Bond	Thermal										
Handle Color	Blue										
Packaging Configuration	500/Bag 8 Bags/ Case	500/Bag 16 Bags/ Case	500/Bag 25 Bags/ Case								
Description	6" Rigid, Oval Tip	6" Flexible, Oval Tip	3" Semi- Flexible Bulb Tip	3" Flexible Micro Needle Tip	3" Rigid, Round Tip	3" Rigid, Round Tip	3" Rigid, Round Tip	3" Rigid, Large Spear Tip	3" Rigid, Long Spear Tip	3" Semi- Flexible, Spear Tip	3" Semi- Flexible Micro Spear Tip