



## Class 10 UltraSolv® Cleanroom Foam Swabs

- High strength and abrasion resistant UltraSolv® foam tip minimizes particle shedding due to abrasion, common with standard swabs.
- Extremely low ionic and NVR levels.
- Less than 2000 .5µ to 25µ particles per swab.
- Thermally bonded to ensure no adhesive residue and minimum particle generation.
- ESD-Safe versions available with static dissipative swab tip and handle



### UltraSolv 6" Rigid Oval Tip

Part No.	Description	Head (L x W)	Unit
88200	UltraSolv 6" Rigid Oval Tip Swab	21 x 11mm	Pkt 500



### UltraSolv 6" Flexible Oval Tip

Part No.	Description	Head (L x W)	Unit
88201	UltraSolv 6" Flexible Oval Tip Swab	17 x 5mm	Pkt 500



### UltraSolv 3" Semi-Flexible Bulb Tip

Part No.	Description	Head (L x W)	Unit
88202	UltraSolv 3" Semi-Flexible Bulb Tip Swab	11 x 4mm	Pkt 500
88302	UltraSolv 3" Semi-Flexible Bulb Tip Swab – ESD	11 x 4mm	Pkt 500



### UltraSolv 3" Flexible Paddle Tip

Part No.	Description	Head (L x W)	Unit
88229	UltraSolv 3" Flexible Paddle Tip Swab	10 x 3.5mm	Pkt 500
88329	UltraSolv 3" Flexible Paddle Tip Swab – ESD	10 x 3.5mm	Pkt 500



### UltraSolv 3" Rigid Round Tip

Part No.	Description	Head (L x W)	Unit
88232	UltraSolv 3" Rigid Round Tip Swab	11 x 3.5mm	Pkt 500
88332	UltraSolv 3" Rigid Round Tip Swab – ESD	11 x 3.5mm	Pkt 500



### UltraSolv 3" Flexible, Long Spear Tip

Part No.	Description	Head (L x W)	Unit
88214	UltraSolv 3" Flexible Long Spear Tip Swab	10.5 x 2mm	Pkt 500
88314	UltraSolv 3" Flexible Long Spear Tip Swab – ESD	10.5 x 2mm	Pkt 500



### UltraSolv 3" Rigid, Long Spear Tip

Part No.	Description	Head (L x W)	Unit
88250	UltraSolv 3" Rigid Long Spear Tip Swab	11.5 x 2mm	Pkt 500
88350	UltraSolv 3" Rigid Long Spear Tip Swab – ESD	11.5 x 2mm	Pkt 500



## Flexible Paddle Tip ESD Swab

**Product:** High strength and abrasion resistant foam tip minimises abrasion-induced particle shedding common with other standard swabs  
 Extremely low ionic and NVR levels  
 Provide streak-free cleaning of static sensitive components  
 Thermally bonded to ensure no adhesive residue and minimum particle generation  
 Excellent absorbency  
 ESD-safe with static dissipative swab tip and handle

### ESD Performance

**Tribocharging:** Tip will not tribocharge commonly used sliders and suspensions

**Dissipation:** ±1000 volts to 10 volts in less than 1 second at 50% RH

**Volume Resistivity:** Handle:  $10^8$   
 Tip:  $10^{10}$

### Cleanliness

**Particles:** Less than 2000 .5µ to .25µ particles per swab

**TNVRs:** NVR (DI Water): < 0.15 µg/swab  
 NVR (IPA): < 0.40 µg/swab

**Ionics:** Chloride: < 0.90 µg/swab  
 Magnesium: < 0.02 µg/swab  
 Sodium: < 0.2 µg/swab  
 Sulphate: < 0.06 µg/swab  
 Fluoride: N/D  
 Nitrate: N/D  
 Bromide: N/D  
 Potassium: < 0.02 µg/swab  
 Calcium: < 0.02 µg/swab

**Quality Assurance:** Manufacturing process is in compliance with ISO 9001 Quality systems



P/N	Description	Size	Unit
88329	Flexible Paddle Tip ESD Swab	10 x 3.5mm	Pack 500