Proper Wiper Folding & Surface Cleaning

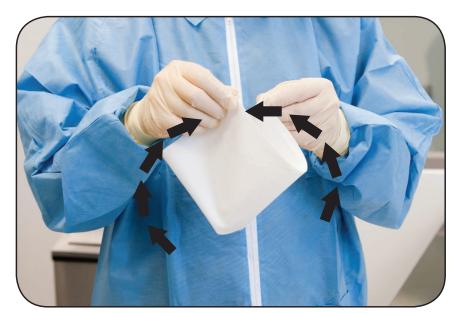
A guide to properly fold and use a low-linting wiper for maximum efficiency and effectiveness in a controlled environment.

Recommended Surface Wiping Procedures

- A. Prior to entering the cleanroom, follow written SOPs for proper hand hygiene, garment donning, and gloving procedures.
- B. Disinfect and clean using proper wiping technique.
- **C.** Quarter-fold the wiper to get the maximum use out of the wiper and to prevent recontamination. Turn to a new wiper surface after each straight stroke.
- D. Always wipe using overlapping strokes, in a parallel direction. Use a new wiper surface with each linear stroke and always wipe from back to front, cleanest to dirtiest and driest to wettest.
- E. Never wipe in a circular motion.



(2) Fold the wiper in half again, creating four cleaning faces: two outside and two inside

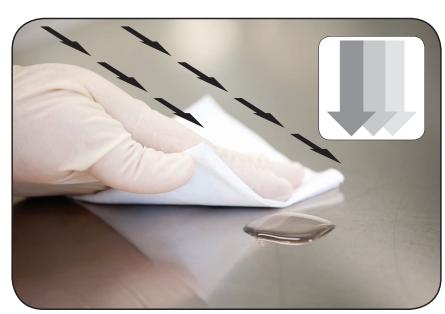


(4) Refold the wiper as shown in Step 2 to enclose the two contaminated faces and expose the two clean faces.

Repeat Step 3 using the two clean faces.



(1) Hold the wiper in mid-air. Take the wiper by its edges and fold in half. The wiper should not be placed on any surface during the folding action.



(3) Work from the cleanest areas to the dirtiest areas in long, overlapping unidirectional strokes. Each face of the wiper will be used for one straight stroke. Turn the wiper over and make a second stroke.



(5) Wiper may be completely unfolded, reversed, and refolded beginning again at Step 1 to enclose the four contaminated faces and expose the four remaining clean faces.

Classification numbers (N)	· · · · · · · · · · · · · · · · · · ·						Cleanroom Rules:
	0.1 Micron (µm)	0.2 Micron (μm)	0.3 Micron (µm)	0.5 Micron (μm)	1 Micron (µm)	5 Micron (µm)	A1 (II) ' 00D
ISO	1 10	2					 Always follow written SOPs
ISO	2 100	24	10	4			 Remove watches, jewelry,
ISO	3 1,000	237	102	35	8		nail polish and cosmetics
ISO	4 10,000	2,370	1,020	352	83		 Don't eat, chew gum, or drink
ISO	5 100,000	23,700	10,200	3,520	832	29	• Do not sit or lean on any worl
ISO	6 1,000,000	237,000	102,000	35,200	8,320	293	surface or equipment ´
ISO	7			352,000	83,200	2,930	Work with calm and slow
ISO	8			3,520,000	832,000	29,300	movements
ISO	9			35,520,000	8,320,000	293,000	
			Contamina	ntion Fundan	nentals		
Sources of Contamination			Invisible and Visible Contamina				tion
		luids quipment	Skin particlesFibers	• Dust • Grease	BacteriaViruses	MetalsFungi	Nonvolatile ResiduesIons



Americas 800 242 7000 Europe 44 (0) 870 757 2877 Japan 81 3 5827 2380 South East Asia 65 6252 4313