

Cleanroom Swab Selection Guide

	Wrapped Polyester Swab	Microfiber Swabs	Sealed Polyester Swabs	ESD Polyester Swabs	Sealed Foam Swabs	ESD Foam Swabs	Wrapped Foam Swabs	Comments, Selected Product Recommendation and Examples 209E / ISO
CLASSIFICATION FED209D								
Class 1-10	●	◎	◎	◎	○	○	○	M1–M3/ISO 3-4
Class 10-100	●	●	●	●	◎	◎	◎	M3–M4/ISO 4-5
Class 100-10,000	◎	●	●	●	●	●	●	M4–M6/ISO 5-7
Controlled Environment	○	◎	◎	◎	●	●	●	
INDUSTRIES								
Optics	●	●	●	◎	◎	◎	◎	38040, 38540
Aerospace	●	●	●	●	◎	◎	◎	36060
Disk Drive	●	●	●	●	●	●	●	38040, 41050, 48040, 44070ESD
Fiber Optics	◎	●	●	●	●	●	●	25123, 25183, 48040, 38140, 38540
Life Sciences	●	●	●	◎	◎	◎	◎	36060, 36061I, 36850, 52121
Medical Devices	●	●	●	●	●	●	●	41050, 48040, 44070, 44070ESD
Semiconductors	●	●	●	◎	◎	◎	◎	51353I
USES								
Tight Crevices	◎	●	●	●	◎	◎	◎	34860, 44070
Particle Removal	●	●	●	●	●	●	●	41050, 48040, 38040
Microscopic Work	◎	●	●	●	●	●	◎	34860, 44070
Cleaning Validation	●	●	●	◎	○	○	○	36060, 36061I, 36850, 51121, 52121
Applying Adhesives	◎	●	●	◎	◎	◎	●	51353, 21050, 20050, 20080
Applying Lubricants	●	●	●	◎	◎	●	●	51353, 21050, 20050, 20080
Cleaning Static Sensitive Parts	○	○	○	○	○	●	○	36060ESD, 31040ESD
PROPERTIES								
Low NVR	●	●	●	●	◎	◎	◎	51353, 38040, 31040ESD, 36060
Non-Abrasive	●	●	◎	○	◎	◎	●	52121, 51121, 51353
Acid Resistance	●	●	●	●	◎	◎	◎	All
Alkali Resistance	◎	●	◎	◎	◎	◎	◎	36850, 34860
Solvent Resistance	●	●	●	●	◎	◎	◎	All
Low Ionic Contaminants	●	●	●	●	◎	◎	◎	All
Snag and Abrasion Resistance	○	●	●	●	◎	◎	○	36850, 34860, 38040, 31040ESD

○ = Possible Performance but Not Recommended ◎ = Good Performance ● = Excellent Performance, Recommended Application