

COVENTRY™

Cleanroom Wipes and Swabs



2017 product catalog

Reliability and performance
... from our cleanroom to yours

COVENTRY™



NEW!

Hi-Purity Alcohol Wipes for Critical Cleaning Applications

Coventry™ Hi-Purity Alcohol Wipes are saturated semiconductor grade isopropyl alcohol (IPA) filtered through 0.05 µm media, either 100% or with 30% water deionized to at least 18 MΩ and filtered through 0.2 microns filter. The superior purity make these wipes effective and safe in the most critical applications, without leaving residues that are conducive to microbial growth or dendritic growth in electronics.

Note: Coventry™ Hi-Purity Alcohol Wipes are all non-sterile.

Coventry™ Hi-Purity Alcohol Wipes offer these great benefits:

- Wipes have excellent solvent and acid resistance
- Ultra-low acidity, ionic, trace metallics, non-volatile residues (NVR) and particulates
- Increases safety by eliminating squirt bottles and spills
- Improves efficiency with consistent saturation
- Cleanroom double-bagged with resealable inner-bag to avoid solvent loss

Recommended for:

- General cleanroom cleaning
- Cleaning critical metallic and non-metallic surfaces
- Aerospace production areas
- Medical device assembly

Hi-Purity Alcohol Wipes – Polypropylene

Semicon Grade IPA Wipes for Delicate Surface

- Economical for general purpose use
- Excellent softness and ultra-low abrasiveness is ideal for delicate surfaces
- Low linting, melt-blown polypropylene material
- Cleanroom processed and packaged
- Peel and reseal inner bag

6911IPA 9" x 11" (22.9cm x 29.9cm) folded polypropylene wipes, 70% semi-con grade IPA / 30% DI water (18 MΩ), 30 wipes/bag



Hi-Purity Alcohol Wipes - Econowipes™

Semicon Grade IPA Wipes for Lab and Workstation Cleaning

- Economical for general purpose use
- Non-woven 55% cellulose / 45% polyester for greater saturation, low linting and high strength
- Low abrasiveness
- Cleanroom processed and packaged
- Peel and reseal inner bag



6799IPA 9" x 9" (22.9cm x 22.9cm) folded wipes, 70% semi-con grade IPA / 30% DI water (18 MΩ), 100 wipes/bag

Hi-Purity Alcohol Wipes – Polyester

Semicon Grade IPA Wipes for Critical Cleaning

- Laser sealed edge and monofilament "no-run" polyester prevent loose fibers
- Durability for cleaning abrasive and irregular surfaces
- Class 10 (M3, ISO 4) cleanroom processed and packaged
- Ideal for cleaning semiconductor wafer fabs and other critical applications
- Inner bag reseals with slider

6259LEIPA 9" x 9" (22.9cm x 22.9cm) polyester wipe, 100% semi-con grade IPA, 50 wipes/bag



6259LE7030 9" x 9" (22.9cm x 22.9cm) polyester wipe, 70% semi-con grade IPA / 30% DI water (18 MΩ), 50 wipes/bag

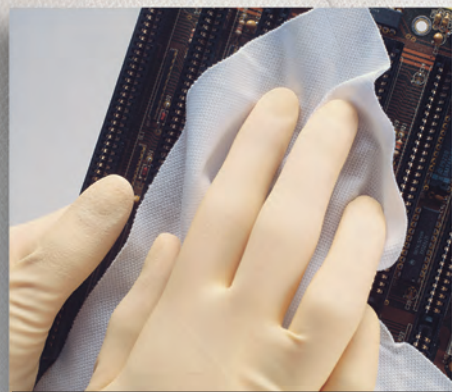
Cleanroom Wipes

Coventry™ Cleanroom Laundered Wipes

Coventry™ cleanroom laundered wipes offer an extra level of protection for critical applications

Our Poly-Wipes are made from 100% continuous filament polyester — the standard in cleanroom wipes — minimizing particle generation. The Cleanroom Chamois™ is the only wipe made from a 50/50 nylon/cellulose microfiber blend, providing superior toughness and particle entrapment. The microfibers in the Cleanroom Chamois™ have a unique wedge shape, which lifts all types of contaminants from the surface more effectively than conventional round fibers. Poly-Wipes and Cleanroom Chamois™ are both laundered in our Class 10 (ISO Class 4) cleanroom and are available with our exclusive laser-edge (LE) or heat cut (HC) sealing process.

Product Name	Part Number	Material	Quantity	Size
Poly-Wipes	6209	Light-weight polyester (high absorbency)	150	9" x 9" 22.9 cm x 22.9 cm
Poly-Wipes	6259	Heavy-weight polyester (high absorbency)	150	9" x 9" 22.9 cm x 22.9 cm
Sealed Edge Poly-Wipes	6259HC	Heavy-weight polyester (high absorbency)	150	9" x 9" 22.9 cm x 22.9 cm
Sealed Edge Poly-Wipes	6209HC	Light-weight polyester (high absorbency)	150	9" x 9" 22.9 cm x 22.9 cm
Sealed Edge Cleanroom Chamois™	7348LE	Microfiber (high absorbency)	50	8" x 8" 20 cm x 20 cm



Poly-Wipes



Cleanroom Chamois™

Coventry™ Non-Woven Wipes

Coventry™ Econowipes™ are made from a hydro-entangled, 45/55 cellulose/polyester blend, for optimum purity in a nonwoven wipe. Econowipes™ are available in three convenient sizes.

Product Name	Part Number	Material	Quantity	Size
Econowipes™	6704	Polyester/cellulose blend, nonwoven	1200	4" x 4" 10.2 cm x 10.2 cm
Econowipes™	6704F	Polyester/cellulose blend, nonwoven	100	4" x 4" 10.2 cm x 10.2 cm
Econowipes™	6709	Polyester/cellulose blend, nonwoven	300	9" x 9" 22.9 cm x 22.9 cm
Econowipes™	6713	Textured polyester/cellulose blend, nonwoven, quarter-folded	50	12" x 13" 30.5 cm x 33.0 cm



Econowipes™

COVENTRY™ Cleanroom Wipes and Swabs

Coventry™ Sealed Polyester Swabs

Exceptionally clean, tough and durable swabs

An exceptionally clean swab produced by Coventry's proprietary process of forming and welding the swab head without the use of adhesives. Featuring either knit or nonwoven fabric heads, these swabs are acid and solvent resistant. Sealed edges build in high strength with no loose fibers or particulates. Coventry sealed polyester swabs have the strongest seams available and will not split. They are ideal for tough scrubbing around raised shapes. Class 10 (M3, ISO 4) processing gives you low ionic, nonvolatile residue and particle contaminants.



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
36060	500 swabs	5.8" 14.7 cm	0.12" 3.1 mm	0.75" 18.9 mm	0.19" x 0.21" 4.7 mm x 5.4 mm	polypropylene	knit polyester
36061I	25 swabs	5.8" 14.7 cm	0.12" 3.1 mm	0.75" 18.9 mm	0.19" x 0.21" 4.7 mm x 5.4 mm	polypropylene	knit polyester
<p><i>For extra cleanliness</i></p>							
36850	500 swabs	5.8" 14.7 cm	0.12" 3.1 mm	0.75" 18.9 mm	0.19" x 0.21" 4.7 mm x 5.4 mm	polypropylene	knit poly/nylon microfiber
34860*	500 swabs	2.8" 7.1 cm	0.09" 2.3 mm	0.47" 11.9 mm	0.10" x 0.10" 2.6 mm x 2.6 mm	polypropylene	knit poly/nylon microfiber
<p><i>Conical Fabric Swab, 34860, is patented, U.S. Patent number 6629329.</i></p>							
38040	500 swabs	2.7" 6.9 cm	0.09" 2.3 mm	0.44" 11.2 mm	0.09" x 0.12" 2.4 mm x 3.0 mm	polypropylene flexible tip	knit polyester
38140	500 swabs	2.7" 6.9 cm	0.09" 2.3 mm	0.48" 12.1 mm	0.06" x 0.12" 1.6 mm x 3.0 mm	polypropylene flexible tip	knit polyester
38540	500 swabs	2.7" 6.9 cm	0.09" 2.3 mm	0.46" 11.7 mm	0.04" x 0.12" 1.0 mm x 3.0 mm	polypropylene flexible tip	nonwoven polyester



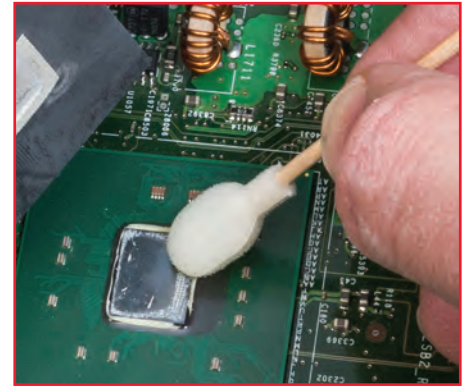
For Extra Cleanliness

When cleaned with the Aqua Prime process, Coventry Sealed Polyester Swabs minimize background contamination making them suitable for both critical cleaning and cleaning validation procedures. Aqua-Prime cleaning process can be added to any swab with special order.

Coventry™ Sealed Foam Swabs

Economical versatile cleanroom swabs

The most cost-effective swabs for general-purpose applications. 100 ppi reticulated medical-grade polyurethane foam provides excellent particle entrapment. The open-cell structure gives the best solvent holding capacity of any style of swab. These swabs are free of adhesives or binders that could contaminate your process. Fiberless construction does not generate particles.



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
41050	500 swabs	2.8" 7.2 cm	0.10" 2.6 mm	0.40" 10.2 mm	0.13" x 0.14" 3.3 mm x 3.5 mm	polypropylene	polyurethane foam



41050I	500 swabs	2.8" 7.2 cm	0.10" 2.6 mm	0.40" 10.2 mm	0.13" x 0.14" 3.3 mm x 3.5 mm	polypropylene	polyurethane foam
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For extra cleanliness:



43170	500 swabs	6.0" 15.2 cm	0.09" 2.2 mm	0.80" 20.3 mm	0.33" x 0.35" 8.4 mm x 8.8 mm	wood	polyurethane foam over cotton
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44070	500 swabs	3.2" 8.0 cm	0.10" 2.4 mm	0.39" 9.9 mm	0.11" x 0.13" 2.7 mm x 3.3 mm	polypropylene	polyurethane foam
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48040	500 swabs	2.7" 6.8 cm	0.09" 2.2 mm	0.41" 10.5 mm	0.10" x 0.12" 2.5 mm x 3.1 mm	polypropylene	polyurethane foam
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49280	500 swabs	6.5" 16.4 cm	0.12" 3.1 mm	0.68" 17.3 mm	0.18" x 0.19" 4.7 mm x 4.7 mm	polypropylene	polyurethane foam
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For Extra Cleanliness

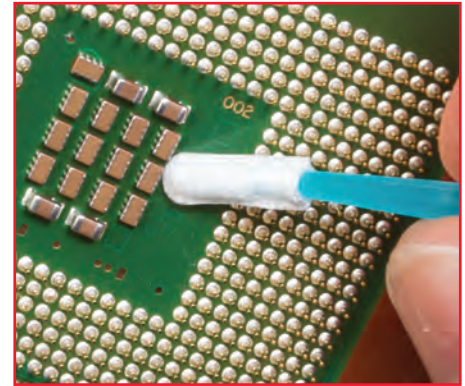
When cleaned with the Aqua Prime process, Coventry Sealed Foam Swabs minimize background contamination making them suitable for both critical cleaning and cleaning validation procedures. Aqua-Prime cleaning process can be added to any swab with special order.

COVENTRY™ Cleanroom Wipes and Swabs

Coventry™ ESD Static Control Swabs

Protects components from destructive static discharge

Engineered to eliminate damage from static electricity. The handles of these swabs will dissipate 99% of a 5,000 volt (5 KV) charge in less than 2.0 seconds. The static dissipative plastic alloy used to make the handles is inherently static dissipative. It contains no additives, coatings or surfactants so it functions at any level of humidity and it is very resistant to solvents — even acetone. Choose between our Class 10 (M3, ISO 4) laundered polyester or 100 pore-per-inch ultraclean polyurethane foam.



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
36060ESD	500 swabs	5.8" 14.7 cm	0.12" 3.1 mm	0.75" 18.9 mm	0.19" x 0.21" 4.7 mm x 5.4 mm	ESD	knit polyester
31040ESD	500 swabs	2.8" 7.2 cm	0.10" 2.7 mm	0.44" 11.0 mm	0.12" x 0.12" 3.1 mm x 3.1 mm	ESD	knit polyester
41050ESD	500 swabs	2.8" 7.2 cm	0.10" 2.6 mm	0.40" 10.2 mm	0.13" x 0.14" 3.3 mm x 3.5 mm	ESD	polyurethane foam
44070ESD	500 swabs	3.2" 8.0 cm	0.10" 2.4 mm	0.39" 9.9 mm	0.11" x 0.13" 2.7 mm x 3.3 mm	ESD	polyurethane foam

Coventry™ Ionizer Tip Cleaner

The compact, convenient tool for cleaning tips on ionizing grid systems

Designed to make cleaning the tips of ionization equipment simple and safe. Maintains the efficiency of these critical ionizing devices. Self contained ampule contains pure IPA and water for quick thorough removal of contamination on ionization tips.

- Controls tip build-up
- Recommended and used by leading manufacturers of ionizing systems

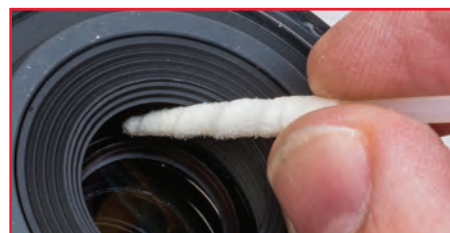
Product Name	Part Number	Quantity
Ion Emitter Tip Cleaner	2702	20 per bag



Coventry™ Wrapped Foam Swabs

Durable wrapped foam swabs designed for precise applications

Our wrapped foam swabs provide good particle entrapment and work very well as adhesive, lubricant and solvent applicators. With the most durable head of any foam swabs, wrapped foam delivers superior abrasion resistance for removal of tough contaminants. Wicking action pulls solvent from surfaces. The small tips on some of the styles allow use in very tight tolerance areas, while the pointed ends work especially well as picks.



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
20050	500 swabs	2.6" 6.7 cm	0.09" 2.2 mm	1.06" 27.0 mm	0.12" x 0.12" 3.1 mm x 3.1 mm	wood	polyurethane foam



20080	500 swabs	2.6" 6.7 cm	0.09" 2.2 mm	0.89" 22.6 mm	0.11" x 0.11" 2.8 mm x 2.8 mm	wood	polyurethane foam
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21050	500 swabs	2.8" 7.1 cm	0.10" 2.5 mm	1.08" 27.5 mm	0.14" x 0.14" 3.7 mm x 3.7 mm	nylon	polyurethane foam
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Coventry™ Wrapped Polyester Diamond™ Swabs

Seamless, edgeless wrapped polyester swab

The patented Diamond™ Swab has a wrapped tubular knit polyester construction which eliminates all seams and cut edges where most particles are generated. Eliminating hard seams also reduces the potential for scratching delicate surfaces. The wrapped design also creates superior absorbency by wicking action. *U.S. Patent numbers 5214821 and 5346287 and foreign patents.*



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
51353	100 swabs	2.8" 7.1 cm	0.10" 2.6 mm	0.78" 19.8 mm	0.16" x 0.16" 4.1 mm x 4.1 mm	glass filled nylon	tubular knit polyester



Coventry™ Wrapped Polyester Pillow-Tip™ Swabs

Cleanroom washed fabric formed into a unique solvent-retaining swab

Engineered for unique applications requiring a combination of high solvent retention with the cleanliness of Class 10 (M3, ISO 4) processed polyester. Seamless design is lint free. High-strength, adhesive-free swab, durable head construction. Pillow-tip swabs offer cotton bud characteristics without the fibers, lint and contamination of cotton. Glass filled nylon handles are rigid like wooden handles but are cleanroom grade.



Product	Pkg Count	Swab Length	Handle Width	Head Length	Head Width	Handle Material	Head Material
51121	25 swabs	2.8" 7.1 cm	0.10" 2.5 mm	0.40" 10.2 mm	0.25" x 0.23" 6.5 mm x 5.7 mm	glass filled nylon	knit polyester



52121	25 swabs	6.3" 15.9 cm	0.12" 3.1 mm	0.40" 10.2 mm	0.26" x 0.24" 6.5 mm x 6.0 mm	glass filled nylon	knit polyester
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COVENTRY Cleanroom Wipes and Swabs

Swab Selection Guide

	Wrapped Polyester Swab	Microfiber Swabs	Sealed Polyester Swabs	ESD Polyester Swabs	Sealed Foam Swabs	ESD Foam Swabs	Wrapped Foam Swabs	Comments and Selected Product Recommendation and Examples
Classification Fed209D								209E / ISO
Class 1-10	1	2	2	2	3	3	3	M1-M3/ISO 3-4
Class 10-100	1	1	1	1	2	2	2	M3-M4/ISO 4-5
Class 100-10,000	2	1	1	1	1	1	1	M4-M6/ISO 5-7
Controlled Environment	3	2	2	2	1	1	1	
Industries								
Optics	1	1	1	2	2	2	2	38040, 38540
Aerospace	1	1	1	1	2	2	2	36060
Disk Drive	1	1	1	1	1	1	1	38040, 41050, 48040, 44070ESD
Fiber Optics	2	1	1	1	1	1	1	25123, 25183, 48040, 38140, 38540
Life Sciences	1	1	1	2	2	2	2	36060, 36061I, 36850, 52121
Medical Devices	1	1	1	1	1	1	1	41050, 48040, 44070, 44070ESD
Semiconductors	1	1	1	2	2	2	2	51353I
Uses								
Tight Crevices	2	1	1	1	2	2	2	34860, 44070
Particle Removal	1	1	1	1	1	1	1	41050, 48040, 38040
Microscopic Work	2	1	1	1	1	1	2	34860, 44070
Cleaning Validation	1	1	1	2	3	3	3	36060, 36061I, 36850, 51121, 52121
Applying Adhesives	2	1	1	2	2	2	1	51353, 21050, 20050, 20080
Applying Lubricants	1	1	1	2	2	1	1	51353, 21050, 20050, 20080
Cleaning Static Sensitive Parts	3	3	3	1	3	1	3	36060ESD, 31040ESD
Properties								
Low NVR	1	1	1	1	2	2	2	51353, 38040, 31040ESD, 36060
Non-Abrasive	1	1	2	3	2	2	1	52121, 51121, 51353
Acid Resistance	1	1	1	1	2	2	2	All
Alkali Resistance	2	1	2	2	2	2	2	36850, 34860
Solvent Resistance	1	1	1	1	2	2	2	All
Low Ionic Contaminants	1	1	1	1	2	2	2	All
Snag and Abrasion Resistance	3	1	1	1	2	2	3	36850, 34860, 38040, 31040ESD

1- Excellent Performance, Recommended Application

2- Good Performance

3- Possible Performance but Not Recommended

COVENTRY™

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