

# Dry & Presaturated Wipes for Critical Environments





Contec, Inc. is a leading manufacturer of contamination control products for mission-critical cleaning in manufacturing environments worldwide. For more than 20 years, Contec has provided solutions to customers across many industries including biomedical, pharmaceutical, medical device, microelectronics, optics, semiconductor, data storage, automotive OEM and aerospace. Meeting customer needs in all these markets and exceeding customer expectations are part of our core values at Contec. This is a big difference between us and our competitors.

**INNOVATION** As a long established leader in custom designed products for specific applications, many Contec wipes and mops were developed at customer requests. We take pride in developing innovative products that not only deliver outstanding performance, but are cost-effective for our customers. We were the first to introduce presaturated wipes to critical environments, allowing customers to greatly reduce their VOC emissions. We were also the first to develop a lightweight wall mopping system for the biotech and life sciences market.

We treat new applications and customer needs as a challenge to our R&D capabilities.

**TECHNICAL SUPPORT** Our success would not be possible without our technical support team. Contec has the largest, most experienced sales team in the critical environment industry and a technical support team with more than 100 years in critical environment solutions. Contec industry experts provide unmatched technical seminars and customer training. With sales representatives all over the world, our customers benefit from personalized service and fast, efficient sample and order turn around.

**GLOBAL SCOPE AND REDUNDANT MANUFACTURING** We have state-of-the-art manufacturing in Spartanburg, South Carolina that serves as our Regulated Market Technology Center, and in Suzhou, China that serves as our Electronics Technology Center. In addition we have distribution centers in Toledo, OH and Theix, France. We can provide the same products in all geographies, and our regional R&D centers allow us to develop products for specific applications in each region.



**QUALITY** Contec manufacturing facilities are ISO 9001:2008 registered. As a vertically integrated manufacturer, Contec controls more of the manufacturing process than any of our competitors. We invite you to come visit our manufacturing facilities and find out for yourself the quality built into the products we make.

**BROAD CAPABILITY AND PRODUCT LINE** Our extensive cleanroom product line includes knitted, woven and nonwoven wipes, presaturated wipes, sterile and non-sterile products, mopping systems, wall washing systems, disinfectants, sponges and swabs for cleanrooms and controlled environments. In fact, we have the widest variety of presaturated wipes and mopping systems in the industry. Still not convinced we're the cleanroom industry leader? Contact your sales representative and ask for a product sample. Our Samples Department takes care of both standard and custom product orders. Requests come in from all over the world and most are sent to customers within 48 hours. More than 4,740 samples were processed last year alone. So the obvious question isn't "Why Contec?" but instead, "Why not?"

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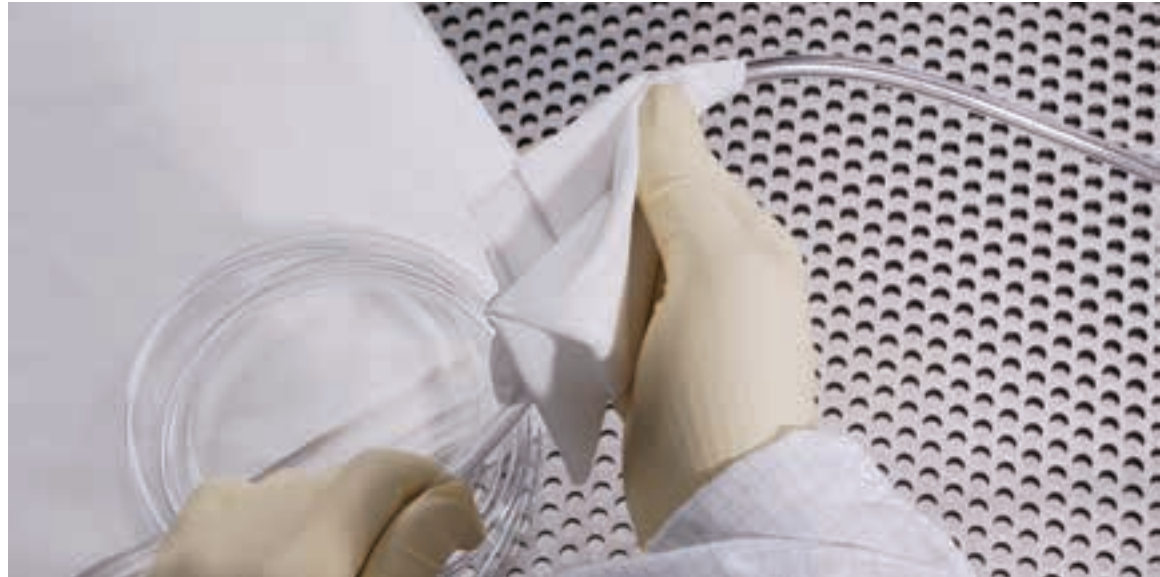
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Contec has created the widest selection of knitted wipes using a variety of fabric types, edge technologies, and processing options.



## Dry Knitted Wipes



Polyester knits are the cleanest category of wipes for critical environments, and are therefore the most widely used wipes in ISO Class

3-5 cleanrooms. These wipes are made from multi-filament textured polyester yarns that are low in particle generation and high in abrasion resistance.

Contec has created the widest selection of knitted wipes using a variety of fabric types, edge technologies, and processing options. By changing these options to meet different cleaning and wiping requirements, Contec has engineered a family of products that are available dry, sterile and presaturated to meet the needs of many different industries. Our wipes are laundered and packaged in our Class 4 cleanroom laundry. Each product is double-packaged to insure product integrity and labeled to provide lot traceability.

**THE ANTICON® ADVANTAGE:** Our Anticon product line has proprietary enhanced sorbency

technology providing the world's most sorbent, synthetic wipe in the cleanroom market, both in sorbency rate and total capacity. The Anticon Guardrail® G2 wipes feature sealed border edges and the Anticon® Gold wipes feature laser-sealed edges. Both offer superior cleanliness characteristics. The Anticon® 100 wipes offer soft knife cut edges. Our Anticon product line is also available with Particle Attraction Technology (PAT), a special patented process. PAT traps and retains 35 times more particles, retains 95% of the particles trapped, and the performance is enhanced when used with alcohol or other solvents (see page 7). Anticon wipes are available in a variety of sizes and configurations.

**CONTEC® BRAND KNITS:** The family of Polynit, Polywipe-C, and Quilttec® wipes offers an excellent balance of sorbency and cleanliness. These wipes are available with soft knife cut edges and cleaner laser cut edges. Through years of continuous improvement, we have created processes that minimize non-volatile residues (NVR's) and particles, yet result in a sorbent wipe with excellent functionality.



DRY KNITTED WIPES	
Features	Benefits
Durable	<ul style="list-style-type: none"> <li>• Non-shedding, will not tear</li> <li>• Safe on rough surfaces and sharp edges</li> </ul>
Clean	<ul style="list-style-type: none"> <li>• Low in particles and fibers</li> <li>• Safe for most critical applications</li> </ul>
Knit Structure	<ul style="list-style-type: none"> <li>• Enhanced particle entrapment</li> <li>• Increased sorbency</li> <li>• Soft and pliable</li> </ul>
100% Synthetic	<ul style="list-style-type: none"> <li>• Non-abrasive</li> <li>• Biological cleanliness</li> </ul>



## KNIT PRODUCT OPTIONS

### Sealed Edge

Anticon® Guardrail® G2, Anticon Gold StandardWeight™, Polynit Heatseal, Polywipe-C Heatseal

- Achieved via laser sealed edges or sealed-border technology
- Reduced particles, fibers, NVR's and ionic contamination
- Three packaging options: stacked, bulk and folded
- Controlled bioburden for post processing terminal sterilization

### Cut-edge

Anticon 100® HeavyWeight™, Anticon 100® StandardWeight™  
Polynit, Polywipe-C

- Knife-cut, soft, non-abrasive edge
- Reduced particles, fibers, NVR's and ionic contamination

### Treated

Anticon® Gold HeavyWeight™ with PAT, Anticon® Gold StandardWeight™ with PAT, White Magic with PAT

- Greater volume of particles removed from the surface being cleaned
- Improves performance of polyester
- Allows polyester to sorb water-based solutions
- Reduced particles, fibers, NVR's and ionic contamination

### Two-ply Quilted

Quiltec® I

- Allows more than double the sorbency of single ply fabrics
- Adds durability
- Provides visual distinction between wipes used in the same area





Contec's QuickPick™ Packaging features half-folded Polynit Heatseal polyester cleanroom wipes in a blue dispenser bag. Convenient and easy to use, QuickPick Packaging addresses both wipe waste and proper wiping technique, and also helps reduce risks of cross-contamination.

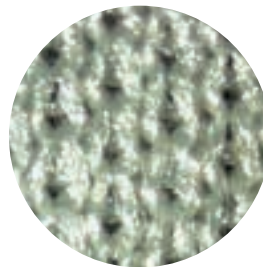
Additional products and part numbers available at [www.contecinc.com](http://www.contecinc.com).

**DRY KNITTED WIPES ORDERING GUIDE**

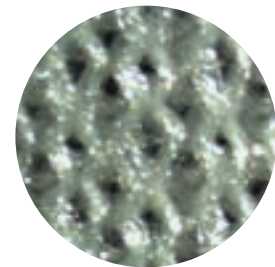
Part No.	Description	Size	Wipes/Bag Bags/Cs.	
492224-789	Anticon Gold HeavyWeight wipes	9" x 9" (23 x 23cm)	150	8
492224-790	Anticon Gold HeavyWeight wipes	12" x 12" (30 x 30cm)	100	4
492222-813	Anticon 100 HeavyWeight wipes	9" x 9" (23 x 23cm)	150	8
492222-815	Anticon 100 HeavyWeight wipes	12" x 12" (30 x 30cm)	100	4
495353-902	Anticon Gold StandardWeight wipes	9" x 9" (23 x 23cm)	150	8
495353-904	Anticon Gold StandardWeight wipes	12" x 12" (30 x 30cm)	100	4
493200-529	White Magic StandardWeight with PAT wipes, bulk	9" x 9" (23 x 23cm)	150	14
493300-545	Anticon Gold StandardWeight with PAT wipes, bulk	12" x 12" (30 x 30cm)	100	10
495352-803	Anticon 100 StandardWeight wipes	9" x 9" (23 x 23cm)	150	8
495352-805	Anticon 100 StandardWeight wipes	12" x 12" (30 x 30cm)	100	4
G2HW0101	Anticon Guardrail G2 HeavyWeight wipes	9" x 9" (23 x 23cm)	50	10
G2SW0101	Anticon Guardrail G2 StandardWeight wipes	9" x 9" (23 x 23cm)	50	10
QT1-99	Quiltec I wipes	9" x 9" (23 x 23cm)	100	10
QT1-1212	Quiltec I wipes	12" x 12" (30 x 30cm)	100	5
LWQT0006	Quiltec I HexaWipe wipes, bulk	12" (30cm)	100	5
PNHS-99	Polynit Heatseal wipes	9" x 9" (23 x 23cm)	150	8
PNHS-1212	Polynit Heatseal wipes	12" x 12" (30 x 30cm)	75	10
LWPS0003	Polynit Heatseal HexaWipe wipes, bulk	9" (23cm)	150	8
PN-99	Polynit wipes	9" x 9" (23 x 23cm)	150	8
PN-1212	Polynit wipes	12" x 12" (30 x 30cm)	75	10
PCHS-99	Polywipe-C Heatseal wipes	9" x 9" (23 x 23cm)	150	12
PCHS-1212	Polywipe-C Heatseal wipes	12" x 12" (30 x 30cm)	75	10
LWCS0004	Polywipe-C Heatseal HexaWipe wipes, bulk	9" (23cm)	150	10
PC-99	Polywipe-C wipes	9" x 9" (23 x 23cm)	150	12
PC-1212	Polywipe-C wipes	12" x 12" (30 x 30cm)	75	10

**Interlock knit** is a variation of a rib knit in which any given stitch will reveal another knit stitch directly behind it on the back of the cloth. This provides a slightly heavier basis weight and a more durable fabric.

**No-run interlock knit** is similar to interlock knit, but adds a periodic extra stitch that does not allow the fabric to unravel, creating a very durable fabric.



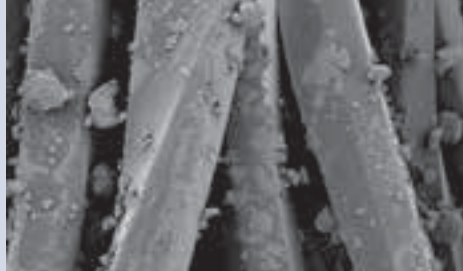
Interlock



No-run Interlock



**Without PAT** Wipe retains far fewer particles—particles that are left behind on surfaces.



**With PAT** Wipe attracts and retains 35 times more particles, leaving surfaces cleaner.



### **PARTICLE ATTRACTION TECHNOLOGY**

Attracts and retains 35 times more particles\*

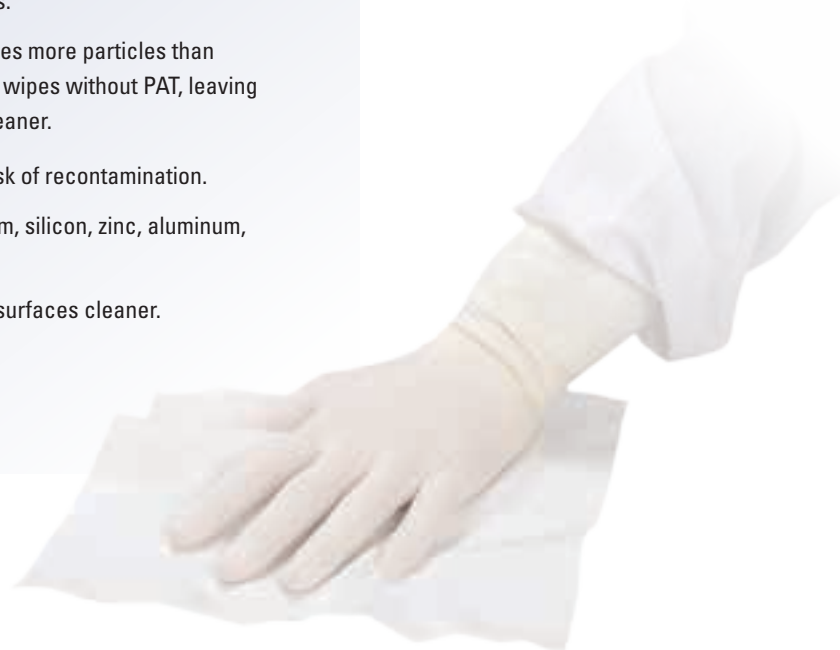
Using a patented treatment that permanently bonds to the polyester fabric, Anticon wipes with Particle Attraction Technology attract and retain particles better than traditional cleanroom wipes. This performance is enhanced when combined with isopropanol and other solvents used in cleanroom cleaning.

- Anticon wipes with PAT exhibit minimal levels of particles, fibers, ions and extractables.
- Traps 35 times more particles than competitive wipes without PAT, leaving surfaces cleaner.

- Retains 95% of the particles trapped, dramatically reducing the risk of recontamination.
- Attracts more contaminants such as iron, titanium dioxide, titanium, silicon, zinc, aluminum, tungsten, and copper, improving semiconductor yields.
- Traps particles in solution better than competitive wipes, leaving surfaces cleaner.

\* Than competitive wipes

Our Anticon® product line has proprietary enhanced sorbency technology providing the world's most sorbent wipe in the cleanroom market.



Sterile knit  
wipes are ideal  
for applying  
and removing  
disinfectants.



## Sterile Dry Knitted Wipes

Contec's sterile wipes are validated sterile to a Sterility Assurance Level (SAL) of  $10^{-6}$  in accordance with standards and recommended practices of Association for the Advancement of Medical Instrumentation (AAMI) Guidelines. This means there is less than a one in one million probability that the product contains a viable microorganism.

Because polyester knits are the cleanest category of wipes for critical environments,



they are the most widely used wipes in ISO Class 3-5 cleanrooms. After sterilization, polyester knits are appropriate for use in sterile

environments. These wipes are made from multi-filament textured polyester yarns which are low in fiber and particle generation and high in abrasion resistance. Sterile knit wipes have excellent sorbency, are able to pick up liquids quickly and leave the surface dry. They are also ideal for evenly applying and removing disinfectants.

Sterile knitted wipes are available in a wide variety of fabric types, edge technologies, and processing options. Our wipes are laundered and packaged in our Class 4 cleanroom laundry. Each product is double-packaged to ensure product integrity and uncompromised entry into the sterile suite. The label provides lot numbers and expiration dates for lot traceability. Each sterile product comes with lot-specific Certificates of Conformance-Sterilization and a Certificate of Processing (which is also called a Certificate of Irradiation).\*



## STERILE PRODUCTS

Sterility is the absence of living organisms. The Sterility Assurance Level (SAL) of a product is defined as the probability of any given unit being non-sterile after exposure to a validated sterilization process. Sterile validated products are vital for wiping and cleaning surfaces and equipment in sterile core areas and aseptic suites, as well as hoods, gloves, boxes, and RABS.

All Contec sterile validated products are sterilized by Cobalt-60 Gamma Radiation and validated to a SAL of  $10^{-6}$  in accordance with standards and recommended practices of the AAMI/ISO 11137:2006 Guidelines\*\* for the sterilization of medical devices. Small packaging configurations in easy to open bags are ideal for sterile use and help keep wipe waste to a minimum.

\*\*The Association for the Advancement of Medical Instrumentation



## STERILE DRY KNITTED WIPES ORDERING GUIDE

Part No.	Description	Size	Wipes/IB	IB/OB	OB/Cs.	PCs/Cs.
492226-939	Anticon Gold StandardWeight wipes, sterile	9" x 9" (23 x 23cm)	20	5	8	800
492226-942	Anticon Gold HeavyWeight wipes, sterile	12" x 12" (30 x 30cm)	20	5	4	400
492238-960	Anticon Gold Sorb wipes, sterile	12" x 12" (30 x 30cm)	20	4	10	1,000
PN-99IR	Polynit Heatseal wipes, sterile	9" x 9" (23 x 23cm)	10	10	10	1,000
LWPS0006	Polynit Heatseal wipes, sterile	9" x 9" (23 x 23cm)	25	4	12	1,200
LWPS0007	Polynit Heatseal wipes, sterile	12" x 12" (30 x 30cm)	25	4	10	1,000
LWQT0031	Quiltec I wipes, sterile	12" x 12" (30 x 30cm)	10	5	10	500
LWQS0002	Quiltec I wipes, sterile	12" x 12" (30 x 30cm)	25	4	5	500

Please visit our website for additional part numbers.

Key: **IB**= Inner Bag **OB** = Outer Bag

\*To obtain a Certificate of Conformance, log onto [contecinc.com](http://contecinc.com) and click on the Resources tab. Click on Request Certificates in the menu on the left side of the page. A Contec lot number and Contec product part number are required to download each certificate. These numbers can typically be found on our product labels or packaging.

Note: Not all certificates are available for all products.



Nonwoven wipes offer a variety of performance characteristics and excellent value.



## Dry Nonwoven Wipes

Nonwoven wipes are used in a wide range of applications, from general industrial use to critical applications in pharmaceutical, medical device, and aerospace industries. Contec offers many non-sterile and sterile nonwoven wipes, both dry and presaturated. Nonwoven wipes offer a variety of performance characteristics and excellent value.



Most high quality nonwovens used in the wipes market today are made with a spunlaced process. This method of producing nonwoven fabrics entangles the fibers using high pressure jets of filtered water (“hydro-entangling”) and cleans the fabric during the manufacturing process. No binders or additives are used, resulting in fabric that is inherently low in fibers (lint) and residue. A combination of fiber types is typically used, creating wipes that are both clean and strong, even when wet.

Another type of nonwoven fabric commonly used in wipes is meltblown polypropylene. Meltblown polypropylene is made by thermally bonding very fine polypropylene fibers to form a very clean wipe fabric with good solvent and acid resistance. Meltblown polypropylene is an excellent material for use in presaturated wipes.

DRY NONWOVEN WIPES	
Features	Benefits
Variety of nonwoven fabric structures	<ul style="list-style-type: none"> <li>• Allows tailoring of product properties to application needs.</li> <li>• Excellent economy with high performance</li> </ul>
Variety of fibers and blends	<ul style="list-style-type: none"> <li>• Allows selection of fibers to achieve specific properties such as sorbency, strength or cleanliness.</li> </ul>
Several forms of wipes available	<ul style="list-style-type: none"> <li>• Individually cut wipes, folded wipes and wipes on perforated rolls provide the widest choice of packaging and use options.</li> </ul>

## NONWOVEN FABRIC TYPES

### Meltblown Polypropylene

#### Amplitude™ Helix™

- Excellent sorbency with solvents
- Even solution application on surfaces
- Low particle generation
- Economical

### Polypropylene/Cellulose Laminate

#### Amplitude™ Zeta™

- Sorbency with all liquids
- Resistant to acids and other chemicals

### Spunlaced Polyester

#### Amplitude™ Delta™

- Sorbency with solvents
- Maintains strength in wet and dry applications
- Excellent cleanliness
- Extremely soft (non-scratching)
- Solvent resistant

### Spunlaced Cellulose / Polyester

#### Amplitude™ Sigma™, Amplitude™ Epsilon™, Amplitude™ Prozorb®, Amplitude™ EcoCloth™, TuffStuff™

- Excellent general-purpose wipe
- Sorbency with all liquids
- Maintains strength in wet and dry applications
- Low linting

### Spunlaced Rayon

#### Amplitude™ Kappa™, RayZorb

- High sorbency with all liquids
- Maintains strength in wet and dry applications
- Durable
- Soft, non-scratching, apertured fabric





Amplitude® wipes are ideal for use with solvents, disinfectants and other solutions.

**DRY NONWOVEN WIPES ORDERING GUIDE**

Part No.	Description	Size	Wipes/Bag	Bags/Case
AML0001	Amplitude Kappa wipes	9" x 9" (23 x 23cm)	250	12
AML0002	Amplitude Kappa wipes	12" x 12" (30 x 30cm)	125	18
AMDE0001	Amplitude Delta wipes	9" x 9" (23 x 23cm)	300	12
AMDE0002	Amplitude Delta wipes	12" x 12" (30 x 30cm)	150	16
AMSI0001	Amplitude Sigma wipes	9" x 9" (23 x 23cm)	300	12
AMSI0002	Amplitude Sigma wipes	12" x 12" (30 x 30cm)	150	18
AMEP0001	Amplitude Epsilon wipes, blue	9" x 9" (23 x 23cm)	300	12
AMEP0002	Amplitude Epsilon wipes, blue	12" x 12" (30 x 30cm)	150	20
PZ-99	Amplitude Prozorb wipes	9" x 9" (23 x 23cm)	200	12
PZ-1212	Amplitude Prozorb wipes	12" x 12" (30 x 30cm)	100	18
AMEC0003	Amplitude EcoCloth wipes	9" x 9" (23 x 23cm)	300	12
AMEC0004	Amplitude EcoCloth wipes	12" x 12" (30 x 30cm)	150	14
AMZE0001	Amplitude Zeta wipes	8" x 9" (21 x 23cm)	150	12
AMZE0002	Amplitude Zeta wipes	11" x 12" (28 x 30cm)	75	20
AMHX0003	Amplitude Helix wipes	9" x 9" (23 x 23cm)	200	12
AMHX0004	Amplitude Helix wipes	12" x 12" (30 x 30cm)	100	18
NWRZ0002	RayZorb Wipes	12" x 12" (30 x 30cm)	75	10
TSWC0917	TuffStuff wipes, white	9" x 16.5" (23 x 42cm)	100	8
TSWC1217	TuffStuff wipes, white	12" x 16.5" (30 x 42cm)	125	2
TSWC1214	TuffStuff wipes, white	12" x 14" (30 x 35.5cm)	500/roll	1 roll/case
C1C1217Q	TuffStuff wipes, creped white quarterfolded	12" x 17" (30 x 42cm)	500	2
TSWL1213	TuffStuff wipes, white, quarterfolded	12" x 13" (30 x 33cm)	50	18

**EcoCloth™ Sorbency**

Ever-conscious of our environment, Contec developed EcoCloth™ to help our customers reduce their solid waste. EcoCloth is slightly lower in basis weight than a standard polyester/cellulose material. Due to additional loft in the fabric, this wipe has greater sorbency than a polyester/cellulose wipe in terms of weight to capacity. The lower basis weight of EcoCloth can reduce your solid waste by up to 40%. EcoCloth is a more "eco" friendly choice.







## NONWOVEN FABRICS

**Nonwoven Fabrics** can be made through many different methods. Contec uses fabrics made using two of the best technologies for wipes:

### Hydroentangled Fibers

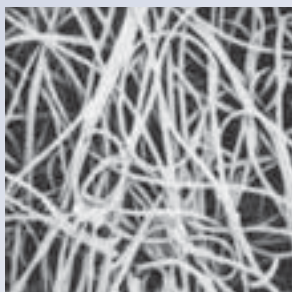
Thousands of high-pressure needle-like jets shoot water at a batting of blended fibers to form a fabric. It is a strong fabric that uses no binders.

**Meltblown Fibers** are extruded and formed into a batting which is then thermally bonded and textured.

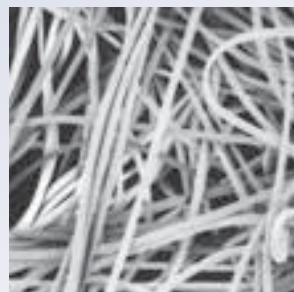
Contec's nonwoven wipes are made from polyester, cellulose,

rayon, polypropylene or various blends of these fibers. Each type of fiber has a particular strength that makes it suitable for different critical environment applications. **Polyester** provides durability, chemical compatibility and cleanliness. **Cellulose** and rayon provide excellent sorbency. **Meltblown polypropylene** provides exceptional cleanliness, liquid holding and very uniform application of solution.

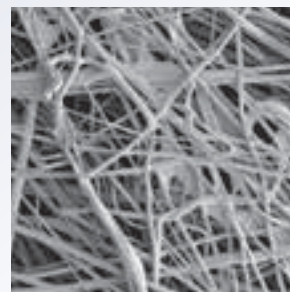
*Additional sizes and packaging options are available. Visit our website or contact your sales representative for details.*



Nonwoven Cellulose/Polyester



Nonwoven Polyester or Rayon aperatured



Meltblown Polypropylene



Sterile nonwoven wipes are ideal for maintaining their strength while wet, leaving the surface dry.



## Sterile Nonwoven Wipes



Contec offers SterileSorb™ wipes which are made from high quality spunlace cellulose/polyester fabric and DuPont™ Sontara® Nonpyrogenic, a low

endotoxin wipe, made from spunlaced Lyocell fabric. The low endotoxin wipe minimizes the introduction of pyrogens into the sterile environment. Contec sterile nonwoven wipes are ideal for maintaining their strength while wet, leaving the surface dry.

Contec's sterile wipes are validated sterile to a Sterility Assurance Level (SAL) of

$10^{-6}$  in accordance with standards and recommended practices of the Association for the Advancement of Medical Instrumentation (AAMI). This means there is less than a one in one million probability that the product contains a microorganism. Sterility validation requires extensive testing and more documentation than irradiated products.

Each product is double packaged to ensure product integrity and uncompromised entry into the sterile suite. The label provides lot numbers and expiration dates for lot traceability. Small packaging configurations in easy-to-open bags are ideal for sterile use and help minimize wipe waste.

### STERILE NONWOVEN WIPES ORDERING GUIDE

Part No.	Description	Size	Wipes/IB	IB/OB	OB/Case
C2-991R/25	SterileSorb wipes, sterile	9" x 9" (23 x 23cm)	25	6	10
C2-12121R	SterileSorb wipes, sterile	12" x 12" (30 x 30cm)	25	6	7
NWPZ0001	DuPont Sontara Nonpyrogenic wipes, sterile	9" x 9" (23 x 23cm)	25	4	10
NWPZ0002	DuPont Sontara Nonpyrogenic wipes, sterile	12" x 12" (30 x 30cm)	25	4	10

**Key:** IB= Inner Bag OB = Outer Bag

## PYROGENS AND ENDOTOXINS

Pyrogens are fever-producing substances derived from the outer shell membranes of decaying bacteria. Bacterial endotoxins, from the outer membranes of gram-negative bacteria, are the most common pyrogens. The presence of pyrogens is a critical safety concern since these substances cannot be easily removed. Products contaminated with pyrogens can pose a life-threatening risk to patients. Use of low endotoxin wipes during manufacturing reduces the potential for pyrogen contamination often observed in today's nonwoven wipes.



## WHY USE STERILE WIPES?

Microbiological contamination is a critical concern for manufacturers of pharmaceutical and biotech products. Cleaning products used in aseptic areas and sterile suites must be sterilized, or provided sterile (or irradiated) by the supplier to prevent compromising the sterile environment. Products that are validated sterile provide greater assurance of sterility, alleviate production bottlenecks and simplify Standard Operating Procedures (SOP's).

Contec provides validated sterile products for nearly every application. Each sterile product comes with lot-specific Certificates of Conformance-Sterilization and Certificate of Processing (which is also called a Certificate of Irradiation).

*Contec's low endotoxin wipe minimizes the introduction of pyrogens into the sterile environment.*



After twenty-five years of industry-leading innovation based on listening to our customers' needs, Contec has the largest selection of presaturated wipes.



## Presaturated Wipes

With the introduction of PROSAT® PS-911 in 1992, Contec pioneered the use of

presaturated wipes for industrial applications.



Twenty-five years of industry-leading innovation based on listening to our

customers' needs has resulted in the wide variety of presaturated wiping products Contec offers today. In many diverse industries and for almost any application, Contec continues to lead, with the largest selection of standard presaturated wipes available, as well as custom capabilities to meet the most unique and demanding requirements.

Presaturated wipes provide many benefits, whether manufacturing integrated circuits, pharmaceutical drugs, medical devices, automobiles, or airplanes. Significantly, improvements in both production process and safety are usually realized simply by using presaturated wipes instead of more traditional wiping methods.

Contec's standard PROSAT® presaturated cleanroom wipes are made using various nonwoven and knitted material with blends of IPA and ETOH. They are offered in convenient peel and reseal pouches and other bulk dispensing containers. PROSAT wipes can be tailored to your specific requirements. Variables include fabric selection, solvent blend, saturation level and packaging.

Contec's SATWipes® presaturated wipes are offered in perforated rolls in a dispensing canister and are available in nonwoven fabrics such as 100% polyester, cellulose/polyester and rayon, and with a variety of different solvents such as IPA and Acetone. SATWipes are intended for cleanroom and industrial applications. SATWipes are available in various sizes and solvent blends to meet individual customer needs.

All cleaning needs are different. This is why Contec offers the largest selection of solvents and solvent blends available. Our sales representatives can assist you with selecting the correct solvent and wipe material for your critical application.



PRESATURATED WIPES	
Features	Benefits
Increased Process Control	<ul style="list-style-type: none"> <li>• Uniform and consistent solution application to surfaces – independent of operators</li> <li>• Consistent saturation in each wipe</li> <li>• Accurate solution composition, every time</li> </ul>
Reduced Solvent Use and VOC Emissions	<ul style="list-style-type: none"> <li>• Controlled and known solution volume</li> <li>• Reduces solvent use up to 40% compared to common wiping methods</li> <li>• Easier documentation of solvent consumption</li> </ul>
Increased Operator and Facility Safety	<ul style="list-style-type: none"> <li>• Eliminates liquid handling and spills</li> <li>• Reduces worker exposure to chemicals</li> <li>• Improves waste handling and tracking</li> <li>• Simplifies waste disposal</li> </ul>
Increased Productivity and Convenience	<ul style="list-style-type: none"> <li>• Eliminates the spraying process</li> <li>• Eliminates separate wipes and solution – both are immediately ready when needed</li> <li>• Simplifies training of correct wiping process</li> <li>• Simplifies Standard Operating Procedures (SOP's)</li> </ul>

**PRESATURATED PRODUCT OPTIONS**

**PROSAT® resealable pouches**

PS-911, PS-919, PS-Si, PSPS0076

- Convenient pouches with resealable label
- Individually stacked wipes for more critical applications
- Variety of nonwoven and knit fabric wipes and sizes available
- Alcohol/water or other aqueous based solutions
- Many part numbers available validated sterile

**PROSAT® bulk packaging**

PSPS0034, CSPS0001, 497600-960, 495357-680

- Bulk-packaged wipes dispensed from limited use dispenser bags and tubs
- Variety of clean knit fabric wipes and sizes available
- Ideal for applications where large quantities of wipes or aggressive solvents are needed
- Easily customized for specific needs

**SATWipes® refillable canisters**

SAT-C1-7030, SAT-C3-7030, SAT-C1-100, SAT-C1-1090

- Convenient “pop-up” wipes on a perforated roll in re-usable dispenser canister
- Cellulose/polyester, 100% polyester or 100% rayon nonwoven wipes in a variety of sizes
- Refill rolls available separately for greatest economy
- Widest variety of solvents and chemicals available
- Easily customized for specific needs



*Contec’s presaturated wipes are available in resealable pouches, canisters and bulk packaging in a variety of solutions and solvent blends.*



Additional products are available. Visit our website or contact your sales representative for details.

## PRESATURATED PRODUCT OPTIONS

### Chemical solution blends

- Many blends and saturation levels available
- All solutions filtered to 0.2 microns
- Certificate of Conformance or Certificate of Analysis available upon request

## PRESATURATED WIPES ORDERING GUIDE

Part No.	Description	Size	Wipes/Pouch	Pouches/Case	
PS-Si	PROSAT polyester nonwoven wipes, 10% IPA/90% DI Water blend	9" x 9" (23 x 23cm)	30	50	
PS-911	PROSAT polypropylene nonwoven wipes, 70% IPA/30% DI Water blend	9" x 11" (23 x 28cm)	30	50	
PSC20006	PROSAT cellulose/polyester nonwoven wipes, 70% IPA/30% DI Water blend	9" x 11" (23 x 28cm)	50	28	
PS-919	PROSAT polypropylene nonwoven wipes, 91% IPA/9% DI Water blend	9" x 11" (23 x 28cm)	30	50	
PSPN0028	PROSAT polyester knit wipes, 9% IPA/ 91% DI Water	9" x 9" (23 x 23cm)	30	30	
PSPS0001	PROSAT w/Polynit Heatseal knit wipes, 30% IPA/70% DI Water	9" x 9" (23 x 23cm)	50	15	
PS-HS-7030	PROSAT w/Polynit Heatseal knit wipes, 70% IPA/30% DI Water	6" x 9" (15 x 23cm)	30	30	
PS-HS9-7030	PROSAT w/Polynit Heatseal knit wipes, 70% IPA/30% DI Water	9" x 9" (23 x 23cm)	30	30	
PS-15HS12-100	PROSAT polyester knit wipes, IPA	12" x 12" (30 x 30cm)	15	30	
497600-960	PROSAT Gowning cellulose/polyester nonwoven wipes, 6% IPA/94% DI Water	5" x 8" (13 x 20cm)	800	2	
CSPS0001	PROSAT polyester wipes, 70% IPA/30% DI Water blend, with SATBox dispenser	6" x 9" (15 x 23cm)	100	12	
PSPS0034	PROSAT polyester wipes, 70% IPA/30% DI Water blend, with refillable container	9" x 9" (23 x 23cm)	75	12	
495357-680	Anticon Gold StandardWeight polyester wipes, IPA	9" x 9" (23 x 23cm)	50	16	
Part No.	Description	Size	Wipes/Roll	Rolls/Cs.	Can./Cs.
SAT-C1-1090	SATWipes cellulose/polyester nonwoven wipes, 10% IPA/90% DI Water	6" x 9" (15 x 23cm)	100	12	1
SAT-C1-7030	SATWipes cellulose/polyester nonwoven wipes, 70% IPA/30% DI Water	6" x 9" (15 x 23cm)	100	12	1
SAT-C3-7030	SATWipes polyester nonwoven wipes, 70% IPA/30% DI Water	6" x 9" (15 x 23cm)	100	12	1
SAT-C3-100	SATWipes polyester nonwoven wipes, IPA	6" x 9" (15 x 23cm)	100	12	1
SW420003	SATWipes rayon nonwoven wipes, IPA	6" x 9" (15 x 23cm)	100	12	N/A

**BENEFITS OF PRESATURATED WIPES**

Presaturated wipes offer manufacturers many benefits. PROSAT® and SATWipes® wipes from Contec:

- Increase solvent control and accountability
- Increase worker and environmental safety
- Increase productivity
- Increase convenience
- Increase cost savings
- Reduce hazardous waste by up to 40%
- Reduce VOC emissions
- Reduce solvent usage and storage issues

Contec offers the largest selection of solvents and solvent blends available.



**CLEANROOM WIPES**

PROSAT presaturated cleanroom wipes from Contec can be created to your specific requirements. Variables include fabric selection, solvent blend, saturation level, and packaging. Your Contec sales representative will help you determine which PROSAT or SATWipes product is best for your application.

*PROSAT® Bulk packaging*



*SATWipes®*

*Bucket*



*Refillable Canister*

*PROSAT® Resealable Pouches*



*Small Bag*

*Medium Bag*

Presaturated wipes reduce hazardous waste by up to 40 percent.



## Sterile Presaturated Wipes



Sterile presaturated products promote consistency in use as each wipe is saturated with the correct volume of solvent for the application. This

eliminates oversaturation of the wipe, which can lead to the spread of contamination instead of its removal. It also simplifies the writing of Standard Operating Procedures (SOP's) as well as documentation of solvent use.

Contec makes sterile presaturated wipes in a number of wipe substrates, sizes, packaging options and saturation levels. Wipes are available in several fabrics including nonwoven meltblown polypropylene, 100% polyester spunlaced, cellulose/polyester spunlaced and polyester knits.

Contec has been producing sterile presaturated wipes for more than twenty years. Contec's

sterile wipes are validated sterile to a Sterility Assurance Level (SAL) of  $10^{-6}$  in accordance with standards and recommended practices of Association for the Advancement of Medical Instrumentation (AAMI) Guidelines. This means there is less than a one in one million probability that the product contains a microorganism.

Each sterile presaturated product is double-packaged to ensure product integrity and uncompromised entry into the sterile suite. The label provides lot numbers and expiration dates for lot traceability. Each sterile product comes with lot-specific Certificates of Conformance and Processing (which is also called a Certificate of Irradiation).

Now available, PROSAT® *Sterile™* Low Endotoxin wipes are presaturated with a blend of 70% USP Grade IPA and Water for Injection (WFI). Each batch of wipes has a guaranteed endotoxin level of less than 20 EU per device. For more information, ask your sales representative.



## PROSAT® CLEANROOM WIPES

PROSAT presaturated cleanroom wipes from Contec are created to your specific requirements. Variables include fabric selection, solvent blend, saturation level, and packaging. Resealable pouches preserve cleanliness and reduce solvent evaporation. Our refillable Satbox container made of durable plastic with gasket seal offers further protection from evaporation or contaminants. The PROSAT knitted wipes pouch and Satbox container are conveniently sized to fit comfortably on cleanroom work benches and lab tables. Your Contec sales representative will help you determine which PROSAT wipe is best for your application.

Fabric selections for PROSAT® Wipes include:

- Polywipe-C
- Polywipe-C Heatseal
- Polynit
- Polynit Heatseal
- Quiltec® I
- Cellulose/Polyester Nonwoven
- 100% Polyester Nonwoven
- Meltblown Polypropylene



## STERILE PRESATURATED WIPES ORDERING GUIDE

Part No.	Description	Size	Wipes/ Pouch	Pouches/ Box	Boxes/ Case	Pouches Case
PS-911EB	PROSAT Sterile polypropylene nonwoven wipes, 70% IPA/30% DI Water	9" x 11" (23 x 28cm)	30	12	4	48
PS-911EB/ETOH	PROSAT Sterile polypropylene nonwoven wipes, 70% denatured ethyl alcohol/40% DI Water	9" x 11" (23 x 28cm)	30	12	4	48
PSC20001	PROSAT Sterile cellulose/polyester nonwoven wipes, 70% IPA/30% DI Water	9" x 11" (23 x 28cm)	24	2	4	48
PS-7030IR	PROSAT Sterile polyester nonwoven wipes, 70% IPA/30% DI Water	9" x 9" (23 x 23cm)	20	2	4	40
PSPS0076	PROSAT w/ Polynit Heatseal knit wipes, half-folded, sterile, 70% IPA/30% DI Water	9" x 9" (23 x 23cm)	20	5	8	40
PSPS0073	PROSAT Sterile w/ Polynit Heatseal knit wipes, 70% IPA/30% DI Water	6" x 9" (15 x 23cm)	30	5	4	20
PSQS0001	PROSAT Sterile w/ Quiltec knit wipes, 70% IPA/30% DI Water	12" x 12" (30 x 30cm)	20	5	3	15

Microfiber wipes offer softness, strength, durability and absorption.



## Microfiber Wipes

Microfiber wipes are made from fabrics that have fibers that are many times smaller than those used in typical polyester knit wipes. Microfiber wipes can be made using 100% polyester fine filaments, or splitable fibers that have a blend of polyester and nylon. The construction style of the fabric can vary depending on the specific performance properties desired.

Microfiber wipes are excellent for removing

residues and particles from surfaces when used dry, and are excellent in sorbing aqueous liquids and solvents. However, the fineness of the fibers often results in wipes that have higher particle and fiber levels themselves compared to typical knitted polyester wipes.

Contec offers a variety of microfiber wipes to choose from, depending on the requirements of the applications.

MICROFIBER WIPES	
Features	Benefits
Softness	<ul style="list-style-type: none"> <li>• Less likely to scratch</li> <li>• Ideal for use with optics</li> <li>• Split microfibers are ideal for polishing applications</li> </ul>
Strength/Durability	<ul style="list-style-type: none"> <li>• Long-lasting</li> <li>• Available with overlock edge</li> <li>• Some applications may allow reuse</li> <li>• Good chemical resistance</li> </ul>
Absorption	<ul style="list-style-type: none"> <li>• Able to absorb water based solutions</li> <li>• Able to hold more solution than standard polyester knits</li> </ul>
Debris Removal	<ul style="list-style-type: none"> <li>• Good for capture and removal of residues and particles from surfaces</li> </ul>

## MICROFIBER WIPES ORDERING GUIDE

Part No.	Description	Size	Qty/Bag	Bags/Case
LWMM0100	MicroGenesis microfiber wipes	12" x 10" (30 x 25cm)	100	8
492238-956	Anticon Gold Sorb polyester wipes	9"x 9" (23 x 23cm)	150	8
492238-957	Anticon Gold Sorb polyester wipes, bulk	9"x 9" (23 x 23cm)	150	8
492238-958	Anticon Gold Sorb polyester wipes	12"x 12" (30 x 30cm)	100	4
492238-959	Anticon Gold Sorb polyester wipes, bulk	12"x 12" (30 x 30cm)	100	4
492265-909	Anticon Finesse polyester microfiber wipes	9"x 9" (23 x 23cm)	75	8
492275-975	SuperBuff polyester microfiber wipes, bulk	12"x 18" (30cm x 46cm)	5lbs	5
LWMS0001	MicroSilk I polyester/nylon wipes	16" x 16" (41 cm x 41 cm)	25	4
LWMS0201	MicroSilk II polyester/nylon wipes	9"x 9" (23 x 23cm)	50	10
LWBT0006	Thunderbuff microfiber wipes, white	12" x 12" (30 x 30cm)	10	6

### MICROFIBER PRODUCT OPTIONS

#### Stitchbonded Microfiber Polyester in a Polypropylene Base Sheet

##### MicroGenesis™

- Economical stitched construction
- Superior fine particle/powder pickup
- Strong and durable

#### 70/30% Blend of Standard and Microfiber Polyester

##### Anticon® Gold Sorb™

- Good contamination pickup and entrapment
- Excellent sorbency
- Durable standard fibers with benefits of microfiber

#### 100% Microfiber Polyester

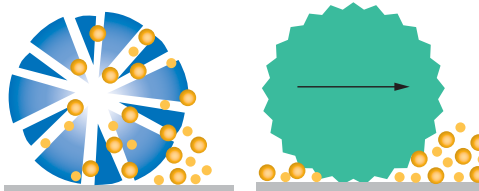
##### Anticon® Finesse, Superbuff™

- Good particle entrapment
- Enhanced sorbency and wicking rate
- High sorbent capacity
- Economical microfiber

#### Split Microfiber, Polyester and Nylon Blend

##### MicroSilk™ I & II, Thunderbuff™

- Excellent surface cleaning without liquid
- Excellent contaminants entrapment
- Different weights and constructions



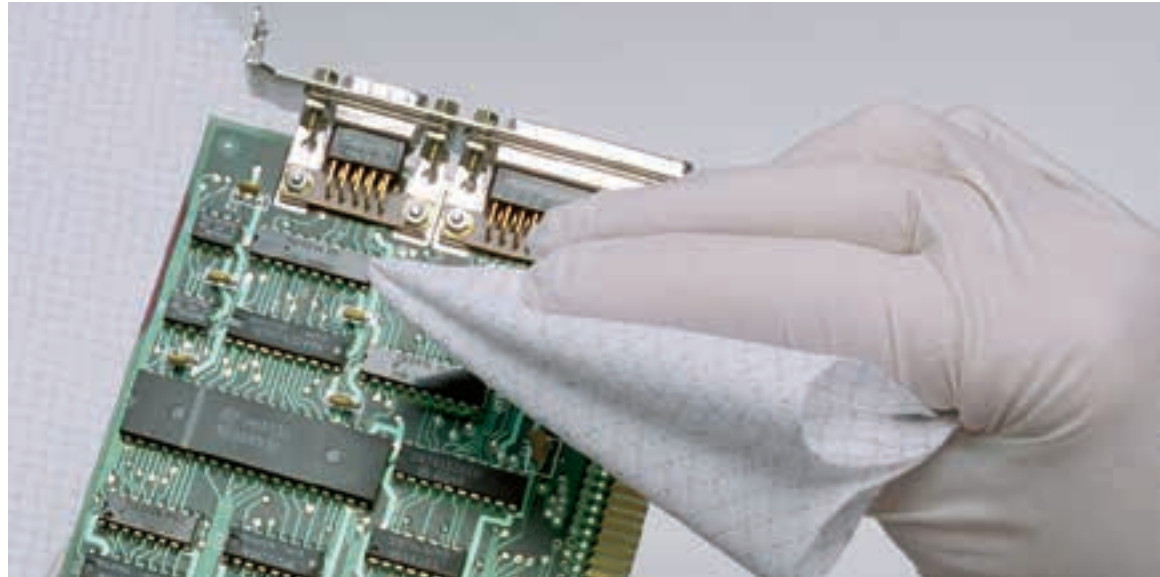
*Split Microfiber*

*Cotton*

The wedge-shaped filaments of split microfiber easily trap particles inside the fiber, unlike cotton fibers that push dirt and dust from one point to another.



Polyester spill control products are ideal for use with oils and solvents.



## Specialty Products

### Woven Fabric

*Woven fabric is created by weaving together two or more sets of warp and fill yarn fibers.*

*The fibers can be polyester, nylon, cotton, or others. These fibers are woven together utilizing combinations of three basic weaves: plain, twill, and satin. By using combinations of these three styles an infinite number of patterns can be created.*

*A standard twill pattern is commonly seen in the cleanroom industry such as our Twill Jean cotton wipe. Durability is the best feature of woven material.*

From ESD wipes to cleanroom-grade tack cloths, Contec has a wide range of specialty wipes for your critical cleaning applications.

**StatZorb®** wipes, with their ESD properties, are ideal for use in microelectronics assembly or other static-sensitive tasks. Laundered and packaged in our ISO Class 4 laundry, these wipes offer exceptional cleanliness and are low in both particles and extractables.

Nonwoven polyester **TaxFre®** cleanroom tack cloth wipes are treated with a proprietary low-tack acrylic formulation ideal for use in controlled environments. These disposable wipes also come in a larger size for use with

our TaxFre Dry Mop, ideal for use on floors in areas that are not conducive to wet mopping.

**Twill Jean** woven cotton wipes offer excellent heat resistance, durability and sorbency for tough tasks.

Designed for containing spills in cleanrooms and other critical environments, Contec's **EliminatR® Sock** and **EliminatR® Pillow** are made from 100% polyester and offer superior sorbency with oils and solvents. The outer covering of both products is made from our two-ply Quilttec® material for acid resistance and added ability to absorb drips and spills.

### NEED A SAMPLE?

Our Sample Department typically processes requests within 24 hours. Some saturated and custom items may take longer. Contact your Contec representative for more details.

**wipers@contecinc.com**  
**contecinc.com**

### SPECIALTY PRODUCTS ORDERING GUIDE

Part No.	Description	Size	Qty/Bag	Bags/Case
SZ-99	StatZorb ESD polyester wipes	9"x 9" (23 x 23cm)	150	12
SZ-1212	StatZorb ESD polyester wipes	12"x 12" (30 x 30cm)	75	6
LWSZ0003	StatZorb HexaWipe wipes	9" (23cm)	150	12
TJ-99	Twill Jean cotton twill wipes	9"x 9" (23 x 23cm)	300	12
TJ-66	Twill Jean cotton twill wipes	6"x 6" (15 x 15cm)	600	10
TF-1017QF	TaxFre tack cloth, quarterfolded	10"x 17" (25 x 43cm)	50	8
TAX-FRE	TaxFre tack cloth, stacked	10"x 18" (25 x 46cm)	100	4
ELRPIL	EliminatR sorbent polyester pillow	12"x 12" x 1" (30 x 30 x 3cm)	1	12
ELRSOC	EliminatR sorbent polyester sock	36"x 3" (91x 8cm)	1	12



## WHY THERE IS NO SUCH THING AS A ISO CLASS 5 WIPE

The issue of classifying or certifying wipes for use in particular cleanroom environments arises with increasing frequency. While the desire to be able to point to documentation that specifies that a particular wipe be used in a particular clean environment is understandable, it is not currently possible.

The classification of cleanroom cleanliness, begun at the dawn of the existence of cleanrooms in the early 1970's with Fed-Std-209, is concerned with the cleanliness of the *air inside the cleanroom*. In this original format, the classification number (e.g. Class 100, Class 1,000 etc.) refers to the number of particles, larger than 0.5 micrometers, per cubic foot of air in the room.

As controlled environments became cleaner over the years, and as the use of cleanrooms extended to other countries worldwide, the scope of specifications for cleanrooms became international, and the nomenclature adapted accordingly. So today we have remnants of several older nomenclatures still sometimes used, and the current ISO standard nomenclature. As a result, Class 100, Class M3.5, and ISO Class 5 all refer to the same level of environment cleanliness.

How then does this relate to suitability or certification of a wipe (or glove, or gown, or face mask, or any other consumable material) for a particular cleanroom environment? The short and factual answer is; it doesn't.

As technologies evolved in the 1980's and '90's, cleanrooms became much cleaner in response to the needs of the processes within them (think disc drive and semiconductor). Wipe technology and cleanliness followed to meet the needs. So in the mid 1980's, when a Class 100 cleanroom was the height of cleanliness, the wipe of choice was a laundered, knife-cut knit polyester wipe - not because such a wipe was determined to be suitable for that environment, but because that was the cleanest wipe available at

the time, for use in the cleanest environment at the time. As cleanroom environments evolved to greater levels of cleanliness, wipe technology again followed, with the introduction of sealed edge wipes, material treatments, and no-contact processing.

So the determination of what wipe can be used in a particular cleanroom has always been, and remains, dependent on what processes are conducted within the cleanroom environment, and what wipe is most appropriate to the application (poses the least contamination risk to the process, absorbs liquids the best, is most durable, etc) while still fulfilling the needs of the wiping or cleaning activity required.

Indeed, while tests exist for determining the inherent cleanliness of a specific wipe, and this can be useful in selecting the wipe best suited to the needs of the application and environment, there is no valid, accurate, and accepted test to determine or certify any wipe relative to the cleanliness level (remember - particles per volume of air) of the cleanroom itself.

This is why it is not possible to definitively categorize or certify wipes for a specific class of cleanroom environment.

Cleanroom Classifications per ISO 14644-1						
ISO 14644-1 Classification	Maximal permissible particle concentrations $\geq$ the size given below (particles / m <sup>3</sup> of air)					
	0.1 $\mu\text{m}/\text{m}^3$	0.2 $\mu\text{m}/\text{m}^3$	0.3 $\mu\text{m}/\text{m}^3$	0.5 $\mu\text{m}/\text{m}^3$	1 $\mu\text{m}/\text{m}^3$	5 $\mu\text{m}/\text{m}^3$
ISO 1	10	2				
ISO 2	100	24	10	4		
ISO 3	1,000	237	102	35	8	
ISO 4	10,000	2,370	1,020	352	83	
ISO 5	100,000	23,700	10,200	3,520	832	29
ISO 6	1,000,000	237,000	102,000	32,500	8,320	293
ISO 7				352,000	83,200	2,930
ISO 8				3,520,000	832,000	29,300
ISO 9				35,200,000	8,320,000	293,000

EU Pharmaceutical cGMP Classification				
Classification of the different air qualities required for the fabrication of sterile products. Maximum permitted number of particles per m <sup>3</sup> $\geq$ the tabulated size				
Grade	At Rest		In Operation	
	0.5 $\mu\text{m}$	5 $\mu\text{m}$	0.5 $\mu\text{m}$	5 $\mu\text{m}$
A	3,520	20	3,520	20
B	3,520	29	352,000	2,900
C	352,000	2,900	3,520,000	29,000
D	3,520,000	2,900	Not defined	Not defined

Recommended limits for microbial contamination				
Grade	air sample cfu/m <sup>3</sup>	settle plates (90mm diam.) cfu/4 hrs	contact plates (55mm diam.) cfu/plate	glove print 5 fingers cfu/glove
A	<1	<1	<1	<1
B	10	5	5	5
C	100	50	25	-
D	200	100	50	-

International Cleanroom Classification Comparison		
ISO 14644-1 (1999) Classification	US Fed. Std 209 E 1992	European Pharmaceutical cGMP Classification
ISO 1		
ISO 2		
ISO 3	1	
ISO 4	10	
ISO 5	100	A* and B**
ISO 6	1,000	
ISO 7	10,000	B*** and C**
ISO 8	100,000	C*** and D**
ISO 9		

*\*At rest and In operation, \*\*at rest, \*\*\*In operation*

# Wipe Selection Guide

Wipe suitability based solely on common usage for applications listed. Additional info on page 25.

ISO Class 3 - 5
  ISO Class 5 - 6
  ISO Class 6 - 8

## SEMICONDUCTOR & ELECTRONICS

<b>Dry Wipes</b> S=Suitable NR=Not Recommended	<b>Outstanding Feature or Application</b>	<b>Support areas, gowning</b>	<b>General wiping in primary areas, workstations &amp; equipment, chamber cleaning</b>	<b>Wet benches</b>
<b>Guardrail® G2</b>	<ul style="list-style-type: none"> <li>Border sealed edges, ultra-clean</li> </ul>	S	Best (p. 4)	S
<b>Anticon® Gold</b>	<ul style="list-style-type: none"> <li>Softer sealed edges, ultra-clean</li> </ul>	S	Better (p. 4)	Good (p. 4)
<b>Anticon® Gold Sorb™</b>	<ul style="list-style-type: none"> <li>Excellent sorbency and cleanliness</li> </ul>	S	S	Better (p. 22)
<b>Quiltec® I</b>	<ul style="list-style-type: none"> <li>High sorbent capacity, ultra-clean</li> </ul>	S	S	Best (p. 4)
<b>Polynit Heatseal / Polywipe-C Heatseal</b>	<ul style="list-style-type: none"> <li>Excellent general purpose wipe, sealed edges, very clean</li> </ul>	S	Good (p. 4)	S
<b>Microsilik / Microsilik II</b>	<ul style="list-style-type: none"> <li>Split microfiber</li> <li>Excellent residue removal and sorbency</li> <li>Ideal for glass, optics and similar</li> </ul>	NR	S	S
<b>Anticon 100®</b>	<ul style="list-style-type: none"> <li>General purpose wipe, cut edges, cleanroom laundered</li> </ul>	S	S	S
<b>Polynit / Polywipe-C</b>	<ul style="list-style-type: none"> <li>General purpose wipe, cut edges, cleanroom laundered</li> </ul>	Best (p. 4)	S	S
<b>Amplitude™ Delta™</b>	<ul style="list-style-type: none"> <li>Clean polyester nonwoven</li> </ul>	Better (p. 10)	NR	NR
<b>Amplitude Sigma™ / EcoCloth™ / Prozorb™</b>	<ul style="list-style-type: none"> <li>Cellulose/polyester nonwoven</li> <li>Balance of cleanliness and sorbency</li> </ul>	Good (p. 10)	NR	NR
<b>Amplitude Helix™ / Zeta™</b>	<ul style="list-style-type: none"> <li>Polypropylene nonwovens</li> <li>General chemical compatibility</li> <li>Ideally suited for lab use</li> </ul>	S	NR	NR
<b>MicroGenesis™</b>	<ul style="list-style-type: none"> <li>Stitched microfiber</li> <li>Excellent for powder pickup</li> <li>Ideal for dry wiping/mopping for visible particles</li> </ul>	NR	NR	NR
<b>TaxFre™</b>	<ul style="list-style-type: none"> <li>Excellent particle pickup without solution</li> <li>Ideal for dry wiping/mopping for visible particles</li> </ul>	S	S	NR
<b>TuffStuff™</b>	<ul style="list-style-type: none"> <li>Durable industrial grade disposable wipe</li> </ul>	S	NR	NR
<b>Anticon® Sterile Gold Sorb™</b>	<ul style="list-style-type: none"> <li>Excellent sorbency and cleanliness, sterile</li> </ul>	NR	NR	NR
<b>Anticon® Gold Sterile / Polynit Heatseal Sterile</b>	<ul style="list-style-type: none"> <li>Softer sealed edges, ultra-clean, sterile</li> </ul>	NR	NR	NR
<b>Anticon® Sterile 100™</b>	<ul style="list-style-type: none"> <li>General purpose wipe, cut edges, sterile</li> </ul>	NR	NR	NR
<b>SterileSorb™</b>	<ul style="list-style-type: none"> <li>Cellulose/polyester nonwoven, sterile</li> </ul>	NR	NR	NR
<b>DuPont Sontara® Nonpyrogenic</b>	<ul style="list-style-type: none"> <li>Lyocell nonwoven, endotoxin tested, sterile</li> </ul>	NR	NR	NR

### Presaturated Wipes

<b>PROSAT® Polynit Heatseal</b>	<ul style="list-style-type: none"> <li>Wet wiping in critical applications</li> </ul>	S	Best (p. 18)	NR
<b>PROSAT® Polynit</b>	<ul style="list-style-type: none"> <li>Wet wiping in critical applications</li> </ul>	Best (p. 18)	Better (p. 18)	NR
<b>PROSAT® Sterile™ Knitted Polyester</b>	<ul style="list-style-type: none"> <li>Wet wiping in critical applications</li> </ul>	NR	NR	NR
<b>PROSAT® Nonwovens</b>	<ul style="list-style-type: none"> <li>Convenient, consistent wet wiping</li> </ul>	Better (p. 18)	NR	NR
<b>PROSAT® Sterile™ Nonwovens</b>	<ul style="list-style-type: none"> <li>Convenient, consistent wet wiping</li> </ul>	NR	NR	NR
<b>SATWipes®</b>	<ul style="list-style-type: none"> <li>Perforated roll nonwovens</li> <li>Convenient, cost effective</li> </ul>	Good (p. 18)	NR	NR

MEDICAL DEVICE			PHARMACEUTICAL / BIOTECH			GENERAL CLEAN INDUSTRIAL
Support areas, gowning, general wiping in primary areas, workstations & equipment	Product contact, final cleaning before terminal sterilization	Blotters, tray liners, clean rest areas	Support areas, gowning	General wiping in primary areas, workstations & equipment	Aseptic core, fill areas, RABs, other sterile areas	General "lint-free" wiping; furniture finishing, workstation/part cleaning in clean areas, general maintenance
S	S	S	S	S	NR	S
S	Best (p. 4)	S	S	Best (p. 4)	NR	S
S	S	S	S	S	NR	S
S	S	Best (p. 4)	S	S	NR	S
S	Better (p. 4)	Better (p. 4)	S	Best (p. 4)	NR	S
S	S	S	S	Better (p. 22)	NR	S
Best (p. 4)	S	S	S	S	NR	S
Better (p. 4)	S	Good (p. 4)	Best (p. 4)	Better (p. 4)	NR	S
S	S	NR	Better (p. 10)	S	NR	S
Good (p. 10)	Good (p. 10)	S	Good (p. 10)	Good (p. 10)	NR	Better (p. 10)
S	NR	S	S	S	NR	S
S	NR	NR	NR	S	NR	Best (p. 22)
S	S	NR	NR	S	NR	Good (p. 24)
S	NR	NR	S	NR	NR	Good (p. 10)
NR	NR	NR	S	S	Best (p. 8)	S
NR	NR	NR	S	S	Better (p. 8)	S
NR	NR	NR	S	S	S	S
NR	NR	NR	S	S	Good (p. 14)	S
NR	NR	NR	S	S	Good (p. 14)	S

S	Best (p. 18)	NR	S	S	NR	Best (p. 18)
S	Better (p. 18)	NR	Best (p. 18)	Best (p. 18)	NR	Better (p. 18)
NR	NR	NR	S	S	Best (p. 20)	S
Best (p. 18)	Good (p. 18)	NR	Better (p. 18)	Better (p. 18)	NR	Good (p. 18)
NR	NR	NR	S (p. 20)	S	Better (p. 20)	S
Better (p. 18)	S	NR	Good (p. 18)	Good (p. 18)	NR	Good (p. 18)



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