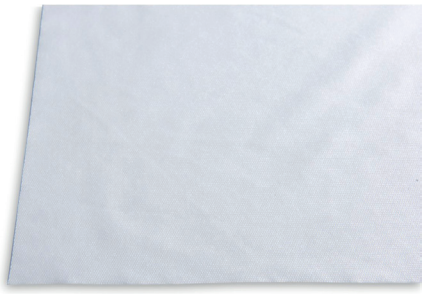
Contec® ReFIBE™ Wipes



100% polyester wipes made from post-consumer recycled plastic bottles

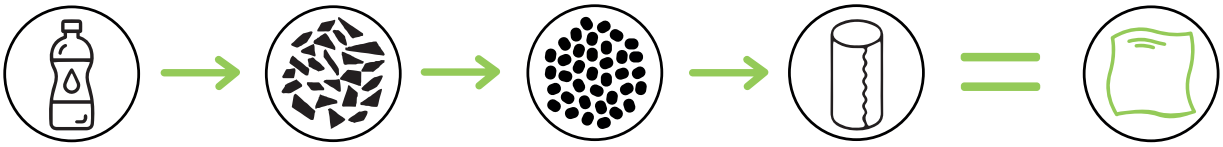
Sustainability has become a top priority for many organizations, including those in the cleanroom industry. Manufacturers operating in critical environments are uniquely challenged in their pursuit of environmentally conscious products and protocols. Not only is the supply chain of recycled products a concern, but also the inherent risk of reusing cleaning materials in a classified environment designed to prevent the ingress of outside contamination.

Made from 100% recycled plastic bottles, Contec's ReFIBE wipes are a sustainable single-use option for critical manufacturers in the life sciences, pharmaceutical, medical device, and semiconductor industries. The revolutionary recycling process converts post-consumer plastic to 100% continuous filament polyester, the same substrate used in many of Contec's standard polyester wipes and mops.

As synthetic polyester, ReFIBE wipes are exceptionally clean and are compatible with a wide range of cleanroom solutions and disinfectants. Low in releasable particles and fibers, ReFIBE wipes can be used in place of traditional polyester to incorporate sustainability without compromising quality or performance. Available in 9" x 9" and 12" x 12" sizes.

These wipes meet the requirements of USP<797> and IEST-CC-RP004.4 for "non-shedding, low-lint, lint-free wipes".

How does it work?



Features	Benefits
Made from recycled plastic bottles	• Diverts recyclable materials from landfills
100% synthetic polyester	• Compatible with common cleanroom solvents • Low in extractables
Low in particles and fibers	• Lower risk of particulate contamination during use
Laser cut edge	• Heatsealed edge is suitable for use in ISO 3 and higher
Validated sterile via gamma irradiation to a 10^{-6} Sterility Assurance Level	• Suitable for use in Grade A and B cleanrooms

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CONTEC® CLEANROOM

Part No.	Description	Size	Packaging	Avg # Recycled Bottles per Case
RFHS-99	Contec ReFIBE Wipes Standard Weight, Heatseal	9” x 9” (230 x 230 mm)	75/bag; 24 bags/case	840
RFHS-1212	Contec ReFIBE Wipes Standard Weight, Heatseal	12” x 12” (305 x 305 mm)	75/bag; 10 bags/case	480
RFHS-99IR	Contec Sterile ReFIBE Wipes Standard Weight, Heatseal	9” x 9” (230 x 230 mm)	25/bag; 48 bags/case	560
RFHS-1212IR	Contec Sterile ReFIBE Wipes Standard Weight, Heatseal	12” x 12” (305 x 305 mm)	25/bag; 40 bags/case	640

Product Information	
Material	100% polyester
Construction	Interlock knit, no-run
Packaging materials	Outer bags (OB1, OB2), low density polyethylene (LDPE) Case (CS), corrugated fiberboard (PAP)
Environment	ISO 3-8 Grade A/B for sterile, C/D for nonsterile

Recycle Symbols

PET 1 HDPE 2 LDPE 4 PP 5 PAP 20

Sustainability

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Technical Data		
Attribute (units)	**Typical Value**	**Test Method**
Basis weight, nominal; (g/m^2)	124	Contec Method
Sorbent capacity; (mL/m^2)	275	IEST-RP-CC004.3, Sec. 8.1
Sorptive rate; (seconds)	<1	IEST-RP-CC004.3, Sec. 8.1
Non-volatile residue, NVR		IEST-RP-CC004.3, Sec. 7.1.2
In deionized water; (g/m^2)	0.01	
In isopropyl alcohol; (g/m^2)	0.01	
Specific ions		IEST-RP-CC004.3, Sec. 7.2.2
Sodium; (ppm)	0	
Chloride; (ppm)	0.175	
Particles, readily releasable		
Particles $\geq$ 0.5µm; ($x10^6/m^2$)	2.72	IEST-RP-CC004.2, Sec. 5.1
Fibers $\geq$ 100µm; ($x\ 10^3/m^2$)	0.15	IEST-RP-CC004.2, Sec. 5.2

Packaging	EA/OB1	OB1/OB2	OB2/CS	EA/CS
RFHS-99	75	2	12	1,800
RFHS-1212	75	1	10	750
RFHS-99IR	25	4	12	1,200
RFHS-1212IR	25	4	10	1,000

EA = each; OB = outer bag; CS = case

Notes
a) The data shown are typical values and should not be used as product specifications.
b) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
c) Current and/or comparison data may be available. Please contact a Contec sales representative for details.

Test Methods
1. CTM = Contec Test Method
2. IEST-RP-CC004.3 = Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments, Institute of environmental Sciences and Technology, Rolling Meadows IL.

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