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SMALL & LARGE SURFACES

www.texwipe.com

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About Texwipe

Texwipe's commitment to innovation, leadership and quality in cleanroom consumable products spans more than fifty years. We invest in technology to respond to our customers' evolving needs in contamination control.

Texwipe's Core Values are:

- Innovation Texwipe pioneers the latest technologies to provide innovation in contamination control products and processes.
- Quality Texwipe product quality is maintained by the most advanced testing and quality control standards in the industry.
- Technology Leadership Texwipe leads our industry in testing metrology, methods and processes to reduce contamination.

Throughout Texwipe's global operations, we support our customers with products designed to exceed the requirements for cleanroom consumable products. Our highly professional team will help you select and develop products for any critical environment application.



texwipe.com



Cleaners and Disinfectants Differentiation



	Disinfectant	ts		Cleaners		
	TexQ®	TexTab™	TexCide™	FexP™	3270 IPA	Table
Applications						
EPA-registered	\checkmark	1	\checkmark			
One-step cleaner and disinfectant	<i></i>	✓ some dilutions	\checkmark			
Sporicidal (kills spores)		1	\checkmark			
May be used in pre-cleaning	\checkmark	1	\checkmark	\checkmark	1	\checkmark
May be used in disinfectant rotation program	<i>✓</i>	1	\checkmark	1	1	\checkmark
May be used as residue removal agent				1	1	\checkmark
Needs rinse	\checkmark	1	\checkmark			
Properties				_		
0.2 µm filtered	\checkmark	n/a	\checkmark	\checkmark	\checkmark	\checkmark
Biodegradable			\checkmark	1		
No added dyes and fragrances	\checkmark	1	\checkmark	1	1	\checkmark
No Volatile Organic Compounds (VOC)	√ *		<0.5% at use concentration	1		
Non-flammable	\checkmark	\checkmark	\checkmark	\checkmark		
Shelf life, years	2	3	1	3	sterile - 2 non-sterile - 3	2
USP-compliant components (made with)	n/a	n/a	n/a	\checkmark	\checkmark	\checkmark
Gamma-irradiated available	\checkmark				1	\checkmark
Testing						
Endotoxin tested	\checkmark				1	\checkmark
Sterile validated	1				1	\checkmark
Lot traceable	1	1	1	1	1	\checkmark
Forms and Packaging						
Ready-to-use solution	\checkmark	tablet		1	1	
Concentrate available	1	tablet	\checkmark			
Dilution rate for the concentrate solution	2 oz / gallon	see dilution chart	4 oz / gallon			
Double-bagged bottle/container	\checkmark			\checkmark	\checkmark	\checkmark

*Low levels of VOC materials are in the product: the quat mixture (860 ppm), EDTA (300 ppm) and nonionic surfactant (400 ppm).

For more information about disinfectants and cleaners see Texwipe's Solutions Guide. (click here)



Cleaning and Disinfecting: Small Surfaces

			_			
Step 1		Select a wipe, a disinfectant		Wiper and Disinfectant Selection		
Ļ	N N	and a cleaning agent.	Tips	 Make sure your wipe is compatible with the disinfecting solution. See Wipe/Disinfectant Compatibility, page 9 for more info. » Cotton wipes are not compatible with quats 	 » Nylon wipes are not compatible with peroxides and quats » Microdenier and polyester wipes work well with quats, peroxides, bleach and IPA 	 For sterile or asept wipes and disinfecta Classification, page See the cleaning age differentiation on page
Step 2		Pre-Clean the surface		Pre-Cleaning		
¥		with cleaning agent and a wipe. If using TexQ [®] one-step cleaner/disinfectant, you may skip this step.	Tips	 A pre-cleaning step is required when: » One-step disinfectants are not used (always before bleach, hydrogen peroxide, some phenols and quats. Check the label.) » The surface has visible soil, the soil must be removed before any disinfectant use. 	• When using a one-step disinfectant, no pre-cleaning of the surface is required before disinfectant application, if no visible soils are present.	 Use different wipes disinfecting solutions » You may use alrea pre-cleaning (for e see <u>page 10</u>.
Step 3		Spray the disinfectant		Spraying the Wipe		
Į.	B	on the wipe.	Tips	• Spraying the wipe, not the surface, is recommended. If the disinfectant solution is sprayed directly onto the surface, the surface contaminants and solution droplets may be spread to adjacent areas.	• Hold the nozzle close to the wipe for even coverage, but not too far so as to spray the solution particles into the air.	• Spray the wipe to the to deposit a visible la surface.
Step 4		Wipe the surface.		Wiping Technique		
			Tips	 For the most efficient wiper use, quarter-fold the wiper by first folding the wipe in half, and then in half again. (See Figure 1, right) 	• Wipe from a clean area to the dirtiest, usually back to front (toward you) on horizontal surfaces and from top to bottom on vertical surfaces. Consistently move left-to-right or right- to-left. Do not mix (See Figure 2, right).	 Wiping should consist strokes. Each stroke previous stroke by 20 (See Figure 3, right). DO NOT USE circular these only spread construction
Step 5		Wait for the disinfectant's		Disinfectant Use		
Ļ		contact time. Allow the surface to remain wet for the required contact time, 10 minutes for most disinfectants including TexQ [®] .	Tips	• Follow disinfectant's instructions found on its label including the contact time required to kill specific or described microbes. If diluting a concentrate, be sure to follow the label use instructions and your site cleaning and disinfecting protocol.	 The indicated exposure time is needed to destroy the listed bacteria, viruses and fungi. 	All disinfectants (properties of the period of the pe
Step 6		Remove the residue. Repeat		Removing Residue		
Ļ	RES VIE	steps 3 and 4 with a residue removal agent.	Tips	 Use another wipe and residue removal agent. The residue removal agent could be 70% Isopropyl Alcohol (IPA) or TexP[™] (4% or 7.5% hydrogen peroxide solution). In aseptic compounding areas, sterile 70% IPA solution and wiper use is required by USP<797>. 	 You may use 70% IPA pre-wet wipes (see page 10). With the higher IPA content, drying is rapid. The level of wetness is optimized for efficient removal of residues. For product contact surfaces – residue removal is necessary after each application of a disinfectant or sporicide. 	 For non-product comay be removed as of For other room surant ceilings, perform as defined in the site of The wiping technique mentioned above.
CLE	ANE	Now your surface is clean, disinfected and ready for use.	,	Need to make sure your surface is clean? Conduct a cleaning validation study in accordance with IEST-RP-CC018.4. <u>(See the recommended products on page 12)</u>	Source: The Institute of Environmental Sciences and "Cleanroom Housekeeping: Operating and Monitoring	Technology (IEST) Recommen g Procedures". Arlington Heigi







nended Practice CC08, eights, Illinois.

Cleaning and Disinfecting: Large Surfaces (Walls & Floors)

	-			Dustat Man and Disit for the Lot		
Step 1		Select a bucket system, mop,		Bucket, Mop and Disinfectant selection		
Ļ		and disinfectant.	ips	 Choose a bucket system from page 11. Use flat mops for walls and ceilings; string or strip mops for floors. Choose the mop covers/refills (See <u>Texwipe's Cleanroom Mops brochure</u>). Review the disinfectant classification chart on page 8. Select a Standard Operating Procedure (SOP)-approved disinfectant from the chart. 	 Confirm your mop material is compatible with the disinfectant class. See the Wipe/Mop/Disinfectant compatibility chart on page 9 For sterile or aseptic areas, use sterile products (wipers, disinfectants, and equipment such as mops and buckets) for cleaning and disinfection. See the cleaning agents and disinfectants differentiation on page 1. 	 Use sterile polyethylene liners (STX7099) to protect your buckets from disinfectant exposure. Bucket liners extend the life of buckets and aid in easier clean up. The three-bucket system is considered more effective than the one- or two-bucket systems since the disinfectant solution in Bucket 1 is less likely to be contaminated by the soils removed from the surface, or diluted during use.
Step 2		Pre-Clean the surface		Pre-Cleaning		
		with a cleaning agent and a mop.	ips	Ceilings and walls typically do not need a pre-cleaning	Bleach, hydrogen peroxide, some phenols and	• Use dedicated mops for cleaning solutions.
		If using TexQ [®] one-step		step. Floors are typically classified as "high traffic" and are likely to be considered soiled, requiring a pre-	other quats usually require the pre-cleaning step. Check the use label.	• Use the same applications steps (Figures 3 and 4, right) and techniques (described in
		cleaner/disinfectant, you		cleaning step before disinfection.	• Use a cleaning solution for a pre-clean step.	Steps 4 and 5) as for disinfection.
		may skip this step.		 The pre-cleaning step is not required when a one-step disinfectant is used (for example, TexQ[®] disinfectant: 	Some disinfectants like Bru-Clean (TX6466) may be used for pre-cleaning, too.	
				TX650, TX651), unless <u>visible soil</u> is present.		
Step 3		Prepare a disinfecting solution		Mixing a Disinfectant		
		in the buckets.	ips	 If the contents of the buckets have already been defined by SOP, follow accordingly. If not, review the following sections. 	 Refer to the disinfectant product label for correct dilution rate. Adding extra 	 If a disinfectant rotation is practiced, a thorough rinsing of all surfaces is required
				• For a two-bucket system: Mix the disinfecting	concentrate leaves more residue that requires removal later.	between disinfectant uses.
				solution in Bucket 1. Fill Bucket 2 with the same solution (to avoid the dilution of the disinfectant in	• Use the same water as used in the environment	 The mopping solution (based on the two- or three-bucket methods) must be changed after
				Bucket 1) or water. (See Figure 1, right). • For a three-bucket system: Mix the disinfecting	or manufacturing process to make up solutions and rinses (i.e., sterile water for sterile areas).	600 square feet (at a minimum) for Class 100 and 1000 (ISO 5/6) and after 1000 square fee
				solution in Bucket 1. Fill Bucket 2 with the same solution		(at a minimum) for Class 10 000 and 100 000 (ISO 7/8)*. The mop head should be re-wetted
				(to avoid the dilution of the disinfectant in Bucket 1) or water. Leave Bucket 3 empty as it is used as the wring		every eight linear feet.
				bucket to collect the dirty solution. (see Figure 2).		
Step 4		Mop the Walls/Ceiling		Mopping Technique: Walls/Ceiling		
			ips	 Use flat mops only. Use the application steps from Figures 3 and 4 (right). 	• For ceilings:	 Mop covers should be replaced according to your SOP, when visibly dirty or no longer
				• For walls:	» Mopping with a flat mop should consist of parallel, overlapping strokes. Each stroke	effectively applying or removing solution.
				» Starting from the cleanest area of the room, usually furthest from the entrance, mop from the cleanest to	should overlap the previous stroke by 20% for even coverage. Use four-foot strokes	
				the dirtiest area of the wall, usually, vertically, from the	and do not mop over your head. Do not contact or wet the HEPA filters. This will	
				ceiling to the floor. » Walls may be also cleaned using horizontal, parallel	degrade the filter.	
		Continue to		strokes, starting at the ceiling (cleanest) and working from top to bottom (dirtiest). Do not mix horizontal or	» After each stroke, re-wet the mop.	Continue to
		next pages		vertical strokes. Be careful not to touch the ceiling or the		next pages
				floor with the mop while cleaning the walls. Work towards the dirtiest area of the cleanroom, the entrance.		











Cleaning and Disinfecting: Large Surfaces (Walls & Floors)

1.1						
	Step 5		Mop the Floor	Mopping Technique: Floors		
	Ļ			 • Use flat or string/strip mops. Use the application steps from Figure 3 and 4, previous pages. • Floors will require more frequent cleaning and disinfection than walls and ceilings. • Mop from the cleanest area to the dirtiest, typically, from the area furthest from the entrance to the entrance. • The first technique is "pull-lift" method. The mop is placed onto the floor, pulled toward the person, lifted, the mop head is turned to the other side (no turning for the flat mop) and replaced onto the area with an overlapping stroke. The mop is placed into the bucket after two strokes of four feet in length (see Figure 5, right). 	• The second technique is a series of S-curves . The mop is placed onto the surface, pulled from left to right, for a maximum of four feet, reversed with an overlapping stroke, for a maximum of 4 feet. The mop is flipped over and the steps are repeated (no flipping over for the flat mop). The mop is placed into the bucket after two sets of strokes four feet in length (see Figure 6, right).	 Each stroke should or stroke by 20% for event techniques. Mop covers should be to your SOP, when vis effectively applying or
	Step 6		Disinfect Equipment	Disinfecting Wheels Technique		
			Disinfect Equipment Wheels	 To bring wheeled equipment from the unmopped side (dirty) to the mopped side (disinfected) of the cleanroom On the unmopped floor, adjacent to the mopped floor area, wipe the contact surface of the front wheels thoroughly. 	» Place two saturated wipes onto the floor where the unmopped and mopped areas meet ahead of the wheels. Push the wiped front wheels onto the wipes until the wheels have been cleaned in a 360° fashion on the wipes. Push the sanitized wheels onto the mopped floor.	» Repeat the same s Do not allow for the onto the disinfected been properly disin
	Step 7	0	Wait for the disinfectant's contact	Disinfecting Wheels Technique		
	Ļ		time. Allow the surface to remain wet for the required contact time, 10 minutes for most disinfectants including TexQ [®] .	 Follow the disinfectant's use instructions found on its label, which includes the contact time required to kill specific or described microbes. 	• When disinfecting, the mop should be wet enough to leave a solution layer on the surface to remain wet for the prescribed contact time to allow the disinfectant to destroy the listed bacteria, viruses and fungi.	 When pre-cleaning/u solution, the mop sho
	Step 8		Remove residues.	Removing Residue		
			Ti	 All disinfectants (phenol-, quat-, hydrogen peroxide + peroxyacetic acid-, and bleach-based products) leave residues. The residues on walls and ceilings need to be removed infrequently, as outlined in cleaning SOP. Residues on floors need to be removed more frequently, as outlined in cleaning SOP, due to safety reasons (slipping hazard), residue visibility or possible product or process contamination. 	 To remove residues, use the two- or three- bucket system with water only, IPA solution (TX3290 sterile, TX117 nonsterile) or Hydrogen peroxide solutions (TexP[™] TX684G and TX687G). 	 Use the same water u e.g., sterile water for Apply the same Applia 3 and 4, previous page (described in Steps 4 on previous pages.
	CLEA	ANEC	Now your surface is clean, disinfected, and ready for use.	Need to make sure your surface is clean? Conduct a cleaning validation study in accordance with IEST-RPCC018.4. (See the recommended products on page 12)	Sources: • Anne Marie Dixon, "Cleaning of Non-Product Conta for the Pharmaceutical and Medical Device Industri Paul L. Pluta, editor, DHI Publishing, River Grove, IL, • The Institute of Environmental Sciences and Technor room Housekeeping: Operating and Monitoring Pro-	es, Volume 1: Basics, Ĕxpecta 2009, pp 221 – 234. Nogy (IEST) Recommended Pr



Lift



er used in the room, for sterile areas. oplication steps (Figures pages) and techniques s 4 and 5) as described

and Cleaning Validation pectations and Principles",

d Practice CC08, "Clean-, Illinois.



The mop is placed onto the surface, pulled from left to right, for a maximum of four feet, reversed with an overlapping stroke, for a maximum of 4 feet. The mop is flipped over and the steps are repeated (no flipping over for the flat mop). The mop is placed into the bucket after two sets of strokes four feet in length. Each stroke should overlap the previous stroke

by 20% for even coverage.



Disinfectants Classifications

	Isopropyl Alcohol	Chlorine Compounds, Bleach Sodium Hypochlorite 5.25% (bleach concentrate)	Phenolics	Quaternary Ammonium Compounds (QACs)	Oxidizing Disinfectants, Hydrogen peroxide
Description	Variable activity against some bacterial and fungal species. Bactericidal disinfectant. 70% IPA is proved to be the most effective concentration.	Bactericidal (kills bacteria, viruses & fungi) at <5000ppm sodium hypochlorite. Sporicidal (kills spores) at >5000ppm Sodium Hypochlorite.	Bactericidal disinfectant (kills bacteria, viruses, fungi), tuberculocidal.	Bactericidal disinfectant (kills bacteria, viruses and fungi). Some products are tuberculocidal.	This group includes oxygen-releasing compounds (peroxygens) such as peracetic acid and hydrogen peroxide. Bactericidal (kills bacteria, viruses, fungi), tuberculocidal. Sporicidal (kills spores).
Pre-cleaning Needed	Surfaces must be pre-cleaned.	Surfaces must be pre-cleaned.	Surfaces must be pre-cleaned. Some products are registered as one-step disinfectant cleaners.	Product specific. Some products registered as one-step disinfectant cleaners.	Product specific. Surfaces must be pre-cleaned, depending on formulation.
Advantages	 Quick evaporation Removes many surface contaminants Removes residual disinfectant Leaves extremely low residue Can be a good general use disinfectant Compatibility combined with other disinfectants (quaternaries, phenolics) No rinse required 	 The same product can be used for routine and special event tasks, by changing the concentration Relatively quick microbial kill May be used on food preparation surfaces requiring a surface rinse depending on bleach concentration Can be tuberculocidal and sporicidal with increased concentration Some products are tuberculocidal 	 Mostly presented in concentrate formulations, need to be mixed to make the ready-to-use solution Some products are tuberculocidal Effective over large pH range Some products are one-step disinfectants cleaners 	 One-step formulations contain a detergent to help loosen soil, no pre-clean step needed Colorless, odorless (but act as deodorizers) Less corrosive May be used on food preparation surfaces (need rinse) Effective at temperatures up to 212°F 	 Hydrogen peroxide is non-corrosive in diluted form but is corrosive in combination with peracetic acid No rinsing required Some products are odorless Clear and colorless, thereby avoiding surface staining Fast, broad spectrum activity, sporicidal Can be safer for personnel (less toxic) depending on concentration
Disadvantages	 Poor cleaner (does not contain detergents) Limited contact time, not sufficient for broad range killing, evaporates quickly VOC emissions Flammable, not to be used near a flame Not active against certain types of viruses Low toxicity but an eye irritant 	 Toxic. May damage floor finishes, carpets, clothing and other fibers when used in higher concentrations Has an unpleasant odor Must be stored separately from ammonia and flammable products Rinsing is required Corrodes metals such as stainless, aluminum Increase in alkalinity decreases bactericidal properties Eye, skin, and respiratory irritant 	 Considered a persistent bio accumulative toxin by EPA Disposal restrictions in some states. Check state and local regulations Not for use on food or food utensils May damage floor finishes and other surfaces Unpleasant odor Effectiveness reduced by alkaline pH or natural soap Prolonged contact deteriorates rubber Can cause skin & eye irritation Corrosive & toxic 	 Ineffective against bacterial spores, TBC, some viruses Effectiveness influenced by hard water RTU formulations are non-irritating to skin but avoid skin or eye contact; toxic Neutralized by anionic soap (common) and effectiveness reduced by organic material Pre-rinse may be required when rotating disinfectants Rinsing is required 	 Rinsing is required where direct skin or oral contact can occur Corrosive to soft metals Pre-cleaning step is required Temperature and light sensitive Pungent odor (vinegar) Pure hydrogen peroxide formulations do not require rinse
CDC Disinfection Level	Intermediate	Intermediate level disinfectant	Some are intermediate some are low level noted on label.	Low level disinfectant	Product specific. Low, intermediate or high level disinfectant (depends on concentration and exposure time).
EPA Toxicity Category (See chart below)	Category IV	Category I	Category I or II	Category III	Category III or IV, product specific.
Storage	Stable in storage. Keep away from oxidizing agents, heat and flames.	If used for disinfecting purposes, bleach should not be stored longer than three months. When mixed with water the solution is only effective as a disinfectant for 24 hours. The available chlorine level (NaOCI) must be monitored.	Stable in storage. Flammable if in aerosol form.	Stable in storage.	Stable in storage. Two year shelf life is available depending on concentration and formulation. Keep away from heat and light.

Disinfectant + Wiper Product Compatibility

					Disinfectan	ts		Cleaners	
Material/ Fabric	Texwipe Wiper Prod- ucts	Texwipe Mop Products	Texwipe Swab Products	TexQ®	TexTab [™]	TexCide™	TexP™	IPA	Ethanol
Polyester/ Cellulose	TX622, 624, 629, 604, 606, 609, 612, 1109, 1112, 1118, 3210			×	1	1	1	1	1
Microdenier (100% Polyester)	TX59, 3059	AlphaMops: TX7118M, STX7118M, TX7114M, STX7114M BetaMops:	Microdenier Series	1	1	1	1	1	1
Polyester (100%)	TX1010, 1012, 1029, 1050, 1052, 1060, 1069, 1070, 1080, 8659, 1004, 1009, 1009B, 1013, 1008, 1008B, 2064, 2069, 2424, 2452, 2409, 2412, 2418, 49, 42, 29, 22 TX3042, 3049,	TX7070, STX7070 AlphaMops: TX7118, STX7118 , TX7114, STX7114 BetaMops: TX716R, STX716R , TX7072, STX7072	Alpha Series, Absorbond Series Polyester Honeycomb Series			•			
	3215, 3225, 3220, 3211, 3212, 3224, STX404, 409								
Polyester/ Rayon		BetaMops: TX7073, STX7073		×	1	1	1	1	1
Nylon	TX4004, 4009, 4012		TX730	×	 Image: A start of the start of	×	×	1	
Cotton	TX309, TX306, TX304, TX318, TX312, TX329		Cotton Series	×	1	1	1	1	1
Foam	TX704		CleanFoam Series A, CleanFoam Series B, General Purpose Foam Series	1	1	1	1	1	1
Polypropylene/ Cellulose	TX699, 2009			×	1	1	1	1	1

Sterile products are marked in BOLD

 \mathbf{X} = not compatible \mathbf{V} = compatible

DANGER, POISON (Skull and crossbones) I Highly toxic

Signal Word

WARNING

CAUTION

CAUTION

**EPA Toxicity Categories Require These Warnings: Oral Lethal Dose¹

A few drops to a teaspoonful

Over one ounce to one pint

Over one pint to one pound

Over a teaspoonful to one ounce

Category

III Slightly toxic

Il Moderately toxic

IV Relatively non-toxic



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Pre-Wet Wipers

Solution	Material	Name	Size	TX#	Bag Qty	Case Qty	ISO Class	EU Grade
Non-Ster	ile							
Solution Non-Steri IPA 70%	Polyester	Vertex [®] HS	12" x 12" (30 cm x 30 cm)	TX42P	50	4	3-7	A-D
			9" x 9" (23 cm x 23 cm)	TX49P	75	4	3-7	A-D
		AlphaSat®	4" x 4" (10 cm x 10 cm)	TX1034	200	4	4-8	A-D
			6" x 6" (15 cm x 15 cm)	TX1036	75	12	4-8	A-D
			9" x 9" (23 cm x 23 cm)	TX1039	50	4	4-8	A-D
		QuanSat™	9" x 9" (23 cm x 23 cm)	TX1084	50	12	3-7	A-D
	Polyester/Cellulose	TechniCloth®	6" x 8" (15 cm x 20 cm)	TX1045	100	12	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX1041	70	12	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX1065	50	24	5-8	B-D
			7" x 11" (18 cm x 28 cm)	TX1067	200	4	5-8	B-D
	Polypropylene	PolySat®	7" x 11" (18 cm x 28 cm)	TX1040	200	4	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX1051	50	24	5-8	B-D
			6" x 11" (15 cm x 28 cm)	TX8723	75	24	5-8	B-D
			6" x 11" (15 cm x 28 cm)	TX8727	75	20 & 1 case container	5-8	B-D
Ethanol 70%	Polyester/Cellulose	TechniCloth®	7" x 11" (18 cm x 28 cm)	TX1068	25	20	5-8	A-D

Solution	Material	Name	Size	TX#	Bag Qty	Case Qty	ISO Class	EU Grade
Sterile								
IPA 70%	Polyester	Vertex [®] HS	12" x 12" (30 cm x 30 cm)	TX3042P	25	5	3-7	A-D
			9" x 9" (23 cm x 23 cm)	TX3049P	25	5	3-7	A-D
		AlphaSat®	12" x 12" (30 cm x 30 cm)	TX3252	25	5	4-8	A-D
		AlphaSat® 10	12" x 12" (30 cm x 30 cm)	TX3280	50	5	2-7	A-D
			9" x 9" (23 cm x 23 cm)	TX3285	20	20	2-7	A-D
	Polyester/Cellulose	TechniCloth®	9" x 11" (23 cm x 28 cm)	TX3214	50	20	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX3217	20	24	5-8	B-D
	Polypropylene	PolySat®	9" x 11" (23 cm x 28 cm)	TX3213	50	20	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX3216	20	24	5-8	B-D
Ethanol 70%	Polyester/Cellulose	TechniCloth®	7" x 11" (18 cm x 28 cm)	STX1068	50	20	5-8	B-D
	Polyester	Vertex [®] HS	12" x 12" (30 cm x 30 cm)	TX3044P	25	5	3-7	A-D

Mop and Bucket Systems

COMBINATION A

(3) **TX7054** Rectangular Buckets (1) TX7043 Wringer (1) **TX7046** Cart (1) TX7046E Cart Extender (1) **TX7108A** AlphaMop[™]



(2) TX7054 Rectangular Buckets

(1) **TX7043** Wringer (1) **TX7046** Cart (1) **TX7108A** AlphaMop[™]

COMBINATION D

COMBINATION G

Caster Bucket

(1) **TX7041** Wringer

(1) **TX651** TexQ®

Disinfectant

(1) **STX7072** Sterile refill

(1) TX7092 BetaMop®

(1) **TX7065**



Bucket liners



COMBINATION H (1) TX7063 Dual-Bucket & Wringer (1) TX7125 BetaMop® (1) TX7070 BetaMop® Microdenier String refill















For more information see Texwipe's Cleanroom Mops Brochure (click here)



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Cleaning Validation

Engineered to deliver consistent and accurate sample recovery for cleaning validation for both specific (HPLC, UV-Vis, IMS) and nonspecific (TOC) analytical methods. The swabs are effective with a wide range of diluents.

Alpha[®]

Alpha series swab additionally processed to <50 µg/L TOC per swab.



Absorbond[®]

Surfactant-free Absorbond Series swab for HPLC/IMS analysis.



For more information see Texwipe's Cleanroom Swabs Brochure (click here)



TOC Cleaning Validation Kits

Texwipe's TOC Cleaning Validation Kits are designed to simplify sampling as part of a cleaning validation protocol. The swabs and vials are further cleaned using a proprietary processes to make these kits excellent for use in Total Organic Carbon (TOC) analysis.

The kits are an organized, convenient and secure method for transporting swabs and vials from storage area to sampling sites to laboratory with minimal chance of contamination. Packaged in cleanroom-compatible, recyclable polypropylene boxes.

Available with Texwipe Cleanroom Swab TX714K (TX3340 and TX3342) or TX761K (TX3343).

Product Number	Description	Packaging
TX3340	TOC Cleaning Validation Kit: 12 vials + 24 swabs (TX714K) + 12 labels	18 kits/case
TX3342	TOC Cleaning Validation Kit, Bulk: 72 vials + 144 swabs (TX714K) + 72 labels	1 kit/case
TX3343	TOC Cleaning Validation Kit: 12 vials + 24 swabs (TX761K) + 12 labels	18 kits/case

Texwipe's Rotation Recommendations

Microbe to be killed	Disinfectants to be used
Bacteria	Rotate Bactericidal Disinfectants
AND THE OWNER	• TexQ [®] disinfectant and
Fungi	• TexTab [™] (Use bactericidal dilutions)
Bacterial Spores (C. Diff)	Use Sporicidal Disinfectants
	 TexCide™ or TexTab™ (Use sporicidal dilutions)

Sample ISO Class 5 Cleaning Frequency

Surface	Each Shift	Daily	Weekly	Monthly	Quarterly
Trash	\checkmark				
Gowning room	1				
Floors	√				
Equipment	1				
Furniture	√				
Doors		✓			
Windows		\checkmark			
Walls			twice weekly 🗸		
Ceiling				1	
Under raised floors					1

Source: IEST-RP-CC-018.4, "Cleanroom Housekeeping: Operating and Monitoring Procedures," p. 13, Table 1.

"A risk assessment should be performed to determine the appropriate frequency for the user. This table is an example of the frequency of cleaning for an average ISO Class 5 cleanroom operation.





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