



# Cleaning and Disinfecting the Ultrasound System

## Quick Reference Guide v4

June 2020

This quick reference guide represents a consolidated view of Siemens Healthineers ultrasound systems and approved cleaning and disinfection methods for the systems. The agents and methods listed in each product table have been cross-referenced with the U.S. Environmental Protection Agency (EPA) List N; products that meet EPA's criteria for use against SARS-CoV-2. Our dedicated taskforce is monitoring the EPA website and other external resources focused on the effectiveness of cleaning agents and methods. This document will be updated as new information becomes available.

Always refer to the instructions from the disinfectant manufacturer for guidance on disinfection efficacy, application process, and appropriate clinical uses.

Complete instructions, including warnings and cautions, for cleaning and disinfecting your ultrasound system are available in the Instructions for Use for your system.

- ACUSON Sequoia
- ACUSON Redwood
- ACUSON Juniper
- ACUSON P500
- ACUSON S Family
- ACUSON SC2000
- ACUSON NX2 and ACUSON NX2 Elite
- ACUSON NX3 and ACUSON NX3 Elite
- ACUSON Freestyle
- ACUSON X600 and ACUSON X700

### Warnings

- To avoid electric shock and damage to the system, always power off and disconnect the equipment from the AC power source before cleaning and disinfecting.
- The use of any disinfectants other than those specified in the Instructions for Use may damage the ultrasound system and accessory surfaces and, as a result, may create electrical hazards for the patients and/or users.



## Cautions

- Do not clean the system with chlorinated or aromatic solvents, acidic or basic solutions, isopropyl alcohol or strong cleaners such as ammoniated products, as these can damage the surface of the system. Use the recommended cleaning procedure. *Isopropyl alcohol exception:* It is acceptable to use isopropyl alcohol only when recommended for cleaning the trackball assembly; refer to the Instructions for Use for your ultrasound system.
- Do not use spray cleaners on the ultrasound system as this may force cleaning fluid into the system and damage electronic components. It is also possible for the solvent fumes to build up and form flammable gases or damage internal components.
- Do not pour any fluid onto the ultrasound system surfaces, as fluid seepage into the electrical circuitry may cause excessive leakage current or system failure.
- To avoid the possibility of static shock and damage to the ultrasound system, avoid the use of aerosol spray cleaners on the monitor screens.
- Prior to cleaning or disinfecting the system, you must disconnect and remove transducers from the ultrasound system. Unintended contact with disinfectants approved only for use with the system can result in damage to the transducers.

## Cleaning the System

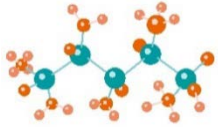
To clean the ultrasound system, use a clean gauze pad or lint-free cloth, lightly moistened with a mild detergent, to wipe the surface of the ultrasound system to ensure areas are free of gel and any other visible residue.

- Gently wipe the glass surfaces, for example, the touch screen and monitor.
- Take particular care to clean the areas near the trackball, touchpad, soft keys, rotary knobs, and the slide controls.
- Ensure that fluids do not seep into any openings on the ultrasound system, for example, the seams on the control panel, the keyboard, or a DVD slot.

## Disinfecting the System

To disinfect the ultrasound system, use an approved disinfectant wipe to disinfect the ultrasound system and accessories. Follow the disinfectant manufacturer's instructions.

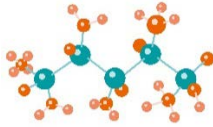
**See also:** For a list of additional disinfectant wipes and detailed instructions for cleaning the trackball assembly, transducer holders, gel warmer, and transducer ports, refer to the Instructions for Use for your ultrasound system.



## ACUSON Sequoia ultrasound system

On EPA List	Agent	System	Monitor	Touch Display
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients			
	Cleanisept	✓		✓
	Cleanisept Wipes Forte	✓		✓
	Clinell Universal Wipes	Interim		✓
✓	Clorox Healthcare Hydrogen Peroxide Wipe	✓		✓
✓	Clorox VersaSure Wipes	✓		✓
	IPA (greater than 70%) using a lint-free cloth		✓	✓
	IPA (less than 14%) using a lint-free cloth			✓
	Lightly moistened cloth with a mild detergent			✓
	Mikrozid Sensitive Wipes	✓		✓
	<b>PDI Easy Screen Cleaning Wipe</b>		✓	✓
	Protex Ultra			✓
	Sani-Cloth			
	Sani-Cloth Active	✓		✓
	Sani-Cloth AF	✓		✓
✓	Sani-Cloth AF3	✓		✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		✓
	Sani-Cloth HB	✓		✓
	Sani-Cloth Plus	✓		✓
	SideKick Disinfecting Wipes (Stryker)	✓		✓
✓	Super Sani-Cloth	✓		✓
	Transeptic Cleansing Solution Spray	Interim	✓	✓
	Tuffie5 Universal Sanitizing Wipe	✓		

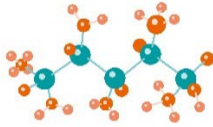
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON Redwood ultrasound system

On EPA List	Agent	System	Monitor	Touch Display
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients			
	Cleanisept	✓		✓
	Cleanisept Wipes Forte	✓		✓
	Clinell Universal Wipes	Interim		✓
✓	Clorox Healthcare Hydrogen Peroxide Wipe	✓		✓
✓	Clorox VersaSure Wipes	✓		✓
	IPA (greater than 70%) using a lint-free cloth		✓	✓
	IPA (less than 14%) using a lint-free cloth		✓	✓
	Lightly moistened cloth with a mild detergent			✓
	Mikrozid Sensitive Wipes	✓		✓
	PDI Easy Screen Cleaning Wipe		✓	✓
	Protex Ultra			✓
	Sani-Cloth			
	Sani-Cloth Active	✓		✓
	Sani-Cloth AF	✓		✓
✓	Sani-Cloth AF3	✓		✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		✓
	Sani-Cloth HB	✓		✓
	Sani-Cloth Plus	✓		✓
	SideKick Disinfecting Wipes (Stryker)	✓		✓
✓	Super Sani-Cloth	✓		✓
	Transeptic Cleansing Solution Spray	Interim	✓	✓
	Tuffie5 Universal Sanitizing Wipe	✓		✓

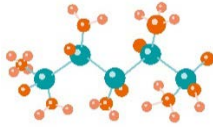
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON Juniper ultrasound system

On EPA List	Agent	System	Monitor	Touch Display
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients			
	Cleanisept	✓		✓
	Cleanisept Wipes Forte	✓		✓
	Clinell Universal Wipes	Interim		✓
✓	Clorox Healthcare Hydrogen Peroxide Wipe	✓		✓
✓	Clorox VersaSure Wipes	✓		✓
	IPA (greater than 70%) using a lint-free cloth		✓	✓
	IPA (less than 14%) using a lint-free cloth		✓	✓
	Lightly moistened cloth with a mild detergent			✓
	Mikrozyd Sensitive Wipes	✓		✓
	<b>PDI Easy Screen Cleaning Wipe</b>		✓	✓
	Protex Ultra			✓
	Sani-Cloth			
	Sani-Cloth Active	✓		✓
	Sani-Cloth AF	✓		✓
✓	Sani-Cloth AF3	✓		✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		✓
	Sani-Cloth HB	✓		✓
	Sani-Cloth Plus	✓		✓
	SideKick Disinfecting Wipes (Stryker)	✓		✓
✓	Super Sani-Cloth	✓		✓
	Transeptic Cleansing Solution Spray	Interim	✓	✓
	Tuffie5 Universal Sanitizing Wipe	✓		✓

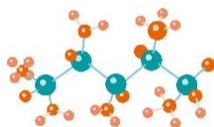
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON P500 ultrasound system

On EPA List	Agent	System	Monitor
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients		
	Cleanisept	✓	✓
	Cleanisept Wipes Forte	✓	✓
	Clinell Universal Wipes	Interim	
✓	Clorox Healthcare Hydrogen Peroxide Wipe	✓	
✓	Clorox VersaSure Wipes	✓	✓
	IPA (greater than 70%) using a lint-free cloth		✓
	IPA (less than 14%) using a lint-free cloth		✓
	Lightly moistened cloth with a mild detergent		
	Mikrozyd Sensitive Wipes	✓	✓
	<b>PDI Easy Screen Cleaning Wipe</b>		✓
	Protex Ultra		
	Sani-Cloth		
	Sani-Cloth Active	✓	✓
	Sani-Cloth AF	✓	✓
✓	Sani-Cloth AF3	✓	✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓	✓
	Sani-Cloth HB	✓	✓
	Sani-Cloth Plus	✓	✓
	SideKick Disinfecting Wipes (Stryker)	✓	✓
✓	Super Sani-Cloth	✓	✓
	Transeptic Cleansing Solution Spray	Interim	✓
	Tuffie5 Universal Sanitizing Wipe	✓	✓

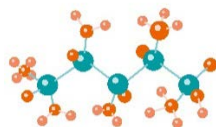
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON Freestyle ultrasound system

On EPA List	Agent	System	Monitor	Deluxe Roll Stand
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients			
	Cleanisept			
	Cleanisept Wipes Forte	✓		
	Clinell Universal Wipes	Interim		
✓	Clorox Healthcare Hydrogen Peroxide Wipe	✓	✓	✓
✓	Clorox VersaSure Wipes	✓	✓	✓
	IPA (greater than 70%) using a lint-free cloth			
	IPA (less than 14%) using a lint-free cloth			
	Lightly moistened cloth with a mild detergent			
	Mikrozyd Sensitive Wipes			
	Protex Ultra	✓	✓	
	Sani-Cloth	✓		
	Sani-Cloth Active			
	Sani-Cloth AF			
✓	Sani-Cloth AF3	✓	✓	✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		✓
	Sani-Cloth HB	✓		
	Sani-Cloth Plus	✓		
	SideKick Disinfecting Wipes (Stryker)	✓		✓
✓	Super Sani-Cloth	✓		✓
	Transeptic Cleansing Solution Spray	✓		
	Tuffie5 Universal Sanitizing Wipe			

<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.

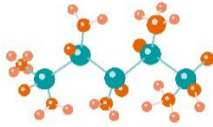


## ACUSON S Family ultrasound system

On EPA List	Agent	System	Monitor	Touch screen
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients	✓		
	Cleanisept			Interim
	Cleanisept Wipes Forte	✓		Interim
	Clinell Universal Wipes	Interim		Interim
✓	Clorox Healthcare Hydrogen Peroxide Wipe			Interim
✓	Clorox VersaSure Wipes			Interim
	IPA (greater than 70%) using a lint-free cloth		✓	Interim
	IPA (less than 14%) using a lint-free cloth			Interim
	Lightly moistened cloth with a mild detergent			Interim
	Mikrozid Sensitive Wipes			Interim
	<b>PDI Easy Screen Cleaning Wipe</b>		✓	<b>Interim</b>
	Protex Ultra			Interim
	Sani-Cloth	✓		
	Sani-Cloth Active			Interim
	Sani-Cloth AF			Interim
✓	Sani-Cloth AF3			Interim
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		Interim
	Sani-Cloth HB	✓		Interim
	Sani-Cloth Plus	✓		Interim
	SideKick Disinfecting Wipes (Stryker)	✓		Interim
✓	Super Sani-Cloth	✓		Interim
	Transeptic Cleansing Solution Spray	Interim	✓	Interim
	Tuffie5 Universal Sanitizing Wipe			

<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.

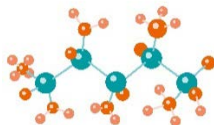




### ACUSON SC2000 ultrasound system

On EPA List	Agent	System	Monitor
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients	✓	
	Cleanisept		
	Cleanisept Wipes Forte	✓	
	Clinell Universal Wipes	Interim	
✓	Clorox Healthcare Hydrogen Peroxide Wipe		
✓	Clorox VersaSure Wipes		
	IPA (greater than 70%) using a lint-free cloth		✓
	IPA (less than 14%) using a lint-free cloth		
	Lightly moistened cloth with a mild detergent		
	Mikrozyd Sensitive Wipes		
	<b>PDI Easy Screen Cleaning Wipe</b>		✓
	Protex Ultra		
	Sani-Cloth	✓	
	Sani-Cloth Active		
	Sani-Cloth AF		
✓	Sani-Cloth AF3		
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓	
	Sani-Cloth HB	✓	
	Sani-Cloth Plus	✓	
	SideKick Disinfecting Wipes (Stryker)	✓	
✓	Super Sani-Cloth	✓	
	Transeptic Cleansing Solution Spray	Interim	✓
	Tuffie5 Universal Sanitizing Wipe		

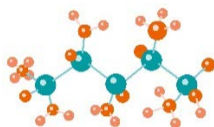
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON NX2 / NX2 Elite ultrasound system

On EPA List	Agent	System	Monitor
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients		
	Cleanisept		
	Cleanisept Wipes Forte	✓	
	Clinell Universal Wipes	Interim	
✓	Clorox Healthcare Hydrogen Peroxide Wipe		
✓	Clorox VersaSure Wipes	✓	
	IPA (greater than 70%) using a lint-free cloth		✓
	IPA (less than 14%) using a lint-free cloth		
	Lightly moistened cloth with a mild detergent		
	Mikrozyd Sensitive Wipes		
	<b>PDI Easy Screen Cleaning Wipe</b>		✓
	Protex Ultra		
	Sani-Cloth		
	Sani-Cloth Active		
	Sani-Cloth AF	✓	
✓	Sani-Cloth AF3	✓	
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓	
	Sani-Cloth HB	✓	
	Sani-Cloth Plus		
	SideKick Disinfecting Wipes (Stryker)	✓	
✓	Super Sani-Cloth	✓	
	Transeptic Cleansing Solution Spray	Interim	✓
	Tuffie5 Universal Sanitizing Wipe		

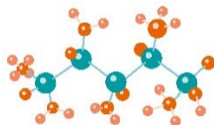
<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



## ACUSON NX3 / NX3 Elite ultrasound system

On EPA List	Agent	System	Monitor	Touch screen
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients			
	Cleanisept			✓
	Cleanisept Wipes Forte	✓		✓
	Clinell Universal Wipes	Interim		✓
✓	Clorox Healthcare Hydrogen Peroxide Wipe			✓
✓	Clorox VersaSure Wipes			✓
	IPA (greater than 70%) using a lint-free cloth		✓	✓
	IPA (less than 14%) using a lint-free cloth			✓
	Lightly moistened cloth with a mild detergent			✓
	Mikrozyd Sensitive Wipes			✓
	<b>PDI Easy Screen Cleaning Wipe</b>		✓	
	Protex Ultra			
	Sani-Cloth			✓
	Sani-Cloth Active			✓
	Sani-Cloth AF	✓		✓
✓	Sani-Cloth AF3	✓		✓
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓		✓
	Sani-Cloth HB	✓		✓
	Sani-Cloth Plus			✓
	SideKick Disinfecting Wipes (Stryker)	✓		✓
✓	Super Sani-Cloth	✓		✓
	Transeptic Cleansing Solution Spray	Interim	✓	✓
	Tuffie5 Universal Sanitizing Wipe			✓

✓	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.



### ACUSON X600 / X700 ultrasound system

On EPA List	Agent	System	Monitor
	Any bleach wipe with <1% sodium hypochlorite and no other active ingredients		
	Cleanisept		
	Cleanisept Wipes Forte		
	Clinell Universal Wipes		
✓	Clorox Healthcare Hydrogen Peroxide Wipe		
✓	Clorox VersaSure Wipes	✓	
	IPA (greater than 70%) using a lint-free cloth		✓
	IPA (less than 14%) using a lint-free cloth		
	Lightly moistened cloth with a mild detergent		
	Mikrozid Sensitive Wipes		
	<b>PDI Easy Screen Cleaning Wipe</b>		✓
	Protex Ultra		
	Sani-Cloth		
	Sani-Cloth Active		
	Sani-Cloth AF	✓	
✓	Sani-Cloth AF3	✓	
✓	Sani-Cloth Bleach Germicidal Disposal Wipes	✓	
	Sani-Cloth HB	✓	
	Sani-Cloth Plus	✓	
	SideKick Disinfecting Wipes (Stryker)		
✓	Super Sani-Cloth	✓	✓
	Transeptic Cleansing Solution Spray		✓
	Tuffie5 Universal Sanitizing Wipe		

<b>System</b>	System encompasses all system surfaces, including the touch panel, <u>excluding</u> the ultrasound display monitor.
✓	Agent approved for use.
<b>Interim</b>	Temporarily approved for use.
✓	On USA EPA List-N: products that meet EPA's criteria for use against SARS-CoV-2.

ACUSON Sequoia, ACUSON Redwood,  
ACUSON Juniper, ACUSON P500,  
ACUSON S Family, ACUSON SC2000,  
ACUSON NX2, ACUSON NX2 Elite, ACUSON  
NX3, ACUSON NX3 Elite, ACUSON X600,  
ACUSON X700, and ACUSON Freestyle are  
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