trophon®2

Protection by design

# High-level disinfection for ultrasound probes

# Operations Training Guide



nanosonics

Infection Prevention. For Life.

# trophon®2 Operations Training Guide

**This training guide is designed to provide the steps required for daily operations of the trophon2 device, including how to clean, disinfect, store and trace an ultrasound probe.**

**This document does not replace the trophon2 User Manual, which should be read prior to operation of the device. This Training Guide is based on best practice traceability being implemented, with AcuTrace technology fully enabled.**

## 1

Watch the two online training videos on your regional Nanosonics Academy.
This will take approximately 10 minutes.




## 2

Complete and pass the online quiz to receive a trophon2 Training Certificate. Retraining is required to be completed every 12 months.

## 3

Users should always check the online trophon Compatible Ultrasound Probes List prior to running a high-level disinfection (HLD) cycle to confirm compatibility with the trophon device. All probes listed have been approved for use by the ultrasound Original Equipment Manufacturers (OEMs).

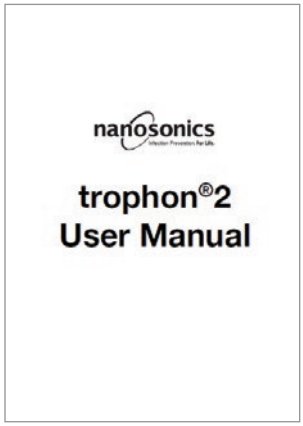
Check the compatibility of your ultrasound probes with trophon2 devices by using the probe compatibility tool on the Nanosonics website:
**Home > Ultrasound Probe Reprocessing Solutions > Probe Compatibility**



## 4

Put on a fresh pair of gloves.

**IMPORTANT:** Wear gloves throughout the complete HLD process and when instructed in our User Manual. Refer to the trophon2 User Manual for further information.






# Clean

## 5

Clean the ultrasound probe prior to the high-level disinfection (HLD) cycle, following the probe manufacturer's instructions.

Ensure the probe is clean and free of all visible debris, bio-burden, gel or any other residue as this may interfere with the HLD process.

Once the probe has been cleaned, dry it using a single-use, low-lint drying wipe. Ensure there is no visible moisture or liquid.

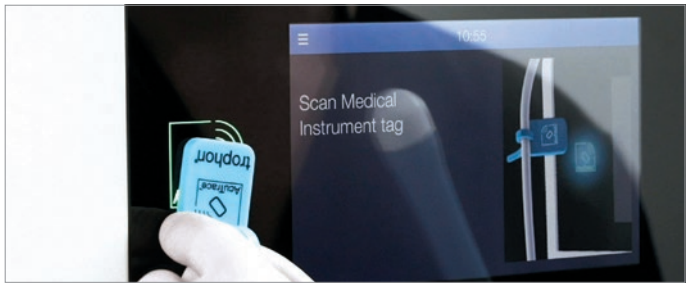


# Disinfect

## 6

Scan the Medical Instrument Tag against the AcuTrace® RFID reader until you hear a beep.

**Note:** Refer to the trophon2 User Manual to explore options to customise the AcuTrace settings.

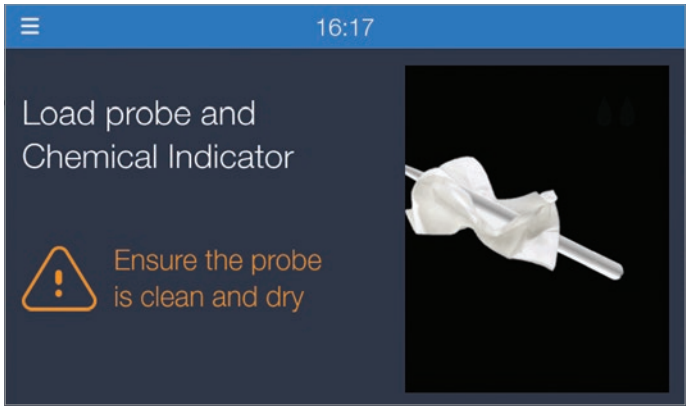



## 7

Load the clean, dry probe into the trophon2 disinfection chamber, ensuring that:

- The probe cable strain relief is placed below the cable clamp, and that the probe is gently pulled up into place with two hands.
- The probe is secured high in the chamber with the probe cable held by the cable seal.
- The probe must not make contact with the chamber walls and be positioned at or above the embossed line at the bottom of the chamber.

Refer to the device decal and trophon2 User Manual for correct probe placement.








Embossed line

**Note:** Some curved probes may require the use of the Integrated Probe Positioner (IPP). This can be confirmed through the trophon Compatible Ultrasound Probes List on our website:

**Home > Ultrasound Probe Reprocessing Solutions > Probe Compatibility**

If required, position the curved probe towards the left of the trophon2 chamber.

Once the probe is loaded in the probe clamp, push the IPP towards the centre of the chamber, ensuring the probe is not in contact with the chamber wall.

To release the IPP, depress on the right side of the IPP and slide to the left.



# 8

Place a Chemical Indicator into the locator at the base of the chamber door, with the red side facing up.

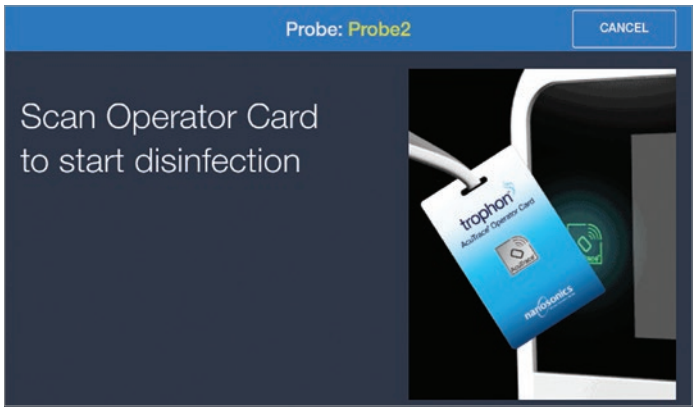
**IMPORTANT:** A new Chemical Indicator is required for every disinfection cycle.




# 9

Close the chamber door and scan your programmed Operator Card.

**Note:** If Logging Operator Cards is disabled, the cycle can be initiated with a Start button on the touchscreen.




**If traceability on your trophon2 device (via DICOM) is configured:***

Select the Patient the probe was last used on.

Press START. The disinfection cycle will start.

*Only available on trophon2 PLUS DICOM enabled devices.



# 10

At the end of the HLD cycle, the device will prompt users to remove the probe and Chemical Indicator.

Perform hand hygiene and put on a new set of gloves before opening the chamber door and removing the probe.




## Store

# 11

Dry the probe using a single-use, low-lint drying wipe, wiping from the tip of the probe to the end of the handle. Ensure there is no visible moisture or liquid.

Store the probe in a clean, single-use, approved storage solution such as the Clean Ultrasound Probe Cover or as required by your facility's policy.

**Note:** Many probe manufacturers warn against the use of abrasive cleaning/drying materials, including paper towels.





# 12

Check the Chemical Indicator result by using the Colour Assessment Chart on the Chemical Indicator box and record the result on the touchscreen.



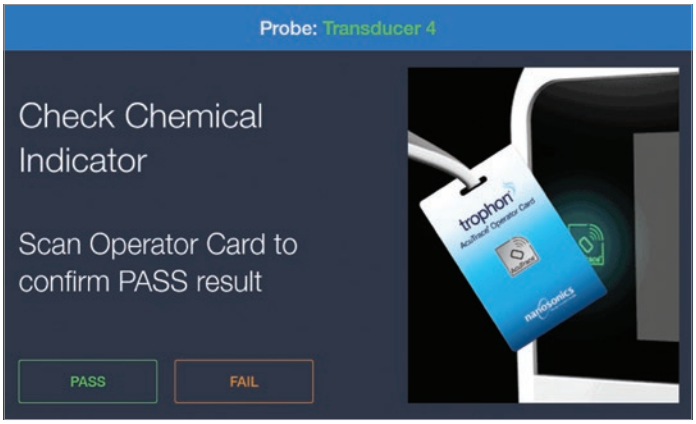




# 13

Scan the Operator Card against the AcuTrace reader or use the touchscreen to record the Chemical Indicator result.

**IMPORTANT:** The Chemical indicator is a mandatory secondary verification of the HLD cycle and must indicate a pass result. The trophon2 device will automatically verify if all critical parameters were met.



# 14

Your disinfection cycle is now complete and the result is shown on the screen.




## Trace

# 15

You can print the disinfection cycle information if you have a trophon Printer installed (up to 4 labels per cycle).

Record your HLD cycle in your logbook by adding a printed label.

If traceability on your trophon device (via DICOM) is configured,* the trophon2 cycle data will be automatically sent to the PACS server to be stored under the exam ID.

*Only available on trophon2 Plus DICOM enabled devices.

**Note:** A printed label can also be placed on the Clean Ultrasound Probe Cover to provide confirmation that the probe has undergone high-level disinfection.









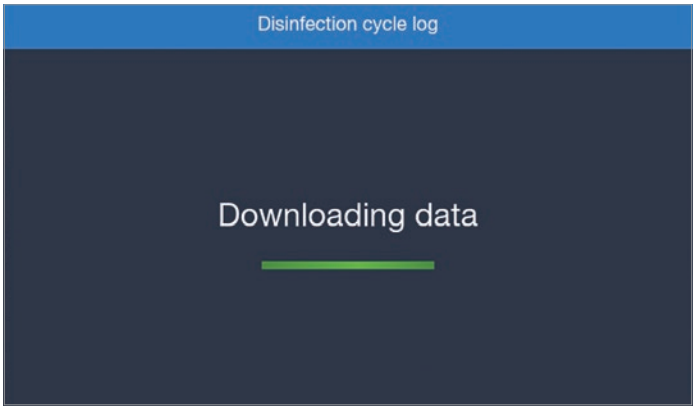
# 16

As you step through the ultrasound probe reprocessing workflow, the built-in AcuTrace reader captures and stores the data digitally.

Records can be downloaded to USB by accessing the settings menu.

**(☰) Main Menu > Records > Download records to USB**

**Note:** It is recommended to conduct regular backups of cycle records.



# Configurable features to improve and customise your workflow




## Customisable AcuTrace settings

The trophon2 device allows users to select the desired level of traceability with AcuTrace technology.

The logging of Operator Cards and Chemical Indicators can be switched off, making AcuTrace customisable to your facility's clinical workflow.

These settings can be changed in the AcuTrace Settings menu:

**(☰) Main Menu > AcuTrace > AcuTrace Settings**

## Disinfectant and Chemical Indicator expiry notifications

With AcuTrace technology, the trophon2 device traces the lot and expiry dates of consumables, notifying users when consumables are approaching expiry/expired.

### For Chemical Indicators

The trophon2 device notifies users when the logged Chemical Indicators are: 30, 5, 4, 3, 2, 1 days from expiry.

### For Disinfectant

The trophon2 device notifies users when the disinfectant is 1 day from expiry.

## Sleep timer

Set how long your trophon2 device stays awake before it enters power-saving mode.

**(☰) Main Menu > Settings > Sleep timer**

## Daily timers

Adjustable wake and sleep settings so your trophon2 device is ready to start when your day begins, and enters power-saving mode when it is not in use.

**(☰) Main Menu > Settings > Daily timers**

## Purge now or defer

Purge can be deferred to later in the day when disinfectant has reached its 30 day expiry in the device. Users can choose to purge now or defer to midnight to avoid disruption to the clinical workflow.

## HLD log look-up

Users can review or reprint historical trophon HLD logs, searching by the cycle number, a cycle number range or a date of disinfection.

**(☰) Main Menu > Records > Reprint cycles**

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Traceability on trophon2 devices via DICOM is only available with the trophon2 Plus software upgrade. The trophon® family includes a range of trophon devices which share the same core technology of 'sonically-activated hydrogen peroxide.'


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