



The next generation in  
ultrasound probe disinfection

**trophon**  EPR

**nanosonics**



## High-level disinfection that's fast, safe and easy

Achieving fast, safe, high-level disinfection of ultrasound probes is critical.<sup>1</sup>

However, many common methods of disinfecting ultrasound probes have serious disadvantages.

Topical sprays and most disinfecting wipes cannot achieve high-level disinfection of ultrasound probes.

Immersion procedures require expensive equipment such as ventilation hoods to deal with toxic neutralising chemicals. In addition, the user must wear personal protection equipment which all equates to extremely time consuming and potentially hazardous working conditions.

Ultrasound probe covers may sometimes leak or perforate and do not always offer adequate protection.

Trophon® EPR is a complete ultrasound probe disinfection system that's fast, easy to use, environmentally-friendly and quality-assured.

Developed by Nanosonics Limited, this unique technology achieves high-level disinfection of the probe – including the shaft and handle – in just seven minutes.

<sup>1</sup>Healthcare Infection Control Practices Advisory Committee (HICPAC) and Center for Disease Control and Prevention (CDC) guidelines stipulate all patient-care equipment that comes in contact with mucous membranes, such as ultrasound probes, requires high-level disinfection.



Trophon EPR is the complete  
ultrasound probe high-level disinfection system

Fast, easy to use, environmentally friendly  
and quality assured

The background of the entire page is a light blue gradient. In the upper left, there are three white birds in flight against a slightly darker blue sky. The lower half of the page features a decorative, wavy pattern of thin white lines that create a sense of depth and movement, resembling a stylized landscape or a network of connections. The text is arranged in a clean, professional layout, with a main headline on the left and several key features listed on the right.

Tropon EPR is a complete ultrasound probe disinfection system that's fast, easy to use, environmentally friendly and quality-assured.

### **High-level disinfection**

Nanosonics' unique patented disinfection technology generates a hydrogen peroxide mist ensuring high-level disinfection.

### **Fast, seven-minute process**

Tropon EPR achieves high-level disinfection of the probe – including the shaft and handle – in just seven minutes, maximising your productivity. Simply place the pre-cleaned probe and a chemical indicator disk in the chamber, close the system and press the start button.

### **Quality-assured consistency**

Unique sensor technology validates each disinfection cycle is completed as specified. The in-process chemical indicator provides further assurance of high-level disinfection.

### **Environmentally-friendly by-products: water and oxygen**

Small quantities of water and oxygen are generated as primary by-products. There are no toxic waste or residues.

### **No exposure to harmful chemicals**

The disinfection cycle takes place in a fully automated, closed system, so you and your patients are never exposed to toxic, harmful chemicals.

### **Quick and easy cartridge replacement**

Open the side door, remove the empty NanoNebulant<sup>†</sup> cartridge and insert a new cartridge. The recyclable cartridges can be disposed with standard waste.

### **Convenient point-of-care solution**

A compact Tropon EPR system located near each ultrasound system provides on-the-spot probe disinfection.

### **Exceptional transducer material compatibility**

The Tropon EPR system and process are compatible with most ultrasound probe sizes, shapes, and materials.

<sup>†</sup>Sonex-HL in USA and Canada (trademarked)



High-level disinfection technology



Fast, seven-minute process



Quality-assured consistency of process



Environmentally friendly by-products:  
water and oxygen



No exposure to harmful chemicals



Cartridge replacement is a clean  
and easy process



Convenient point-of-care solution



Exceptional probe material compatibility

## Easy operation

Trophon EPR achieves high-level disinfection in just a few steps:

- 1.** Place the pre-cleaned and dried probe into the disinfection chamber, insert a chemical indicator disk and close the door.
- 2.** Press the start button.
- 3.** At the end of the cycle, open the Trophon EPR door and remove the probe.
- 4.** Wipe the probe with a lint free cloth.
- 5.** Confirm successful high-level disinfection by comparing the chemical indicator disk to the colour assessment chart.
- 6.** Print a disinfection label using the optional Trophon Printer.



# Trophon EPR high-level disinfection and traceability solution



**Trophon Printer**  
A completely integrated traceability solution.



**Trophon NanoNebulant+ Cartridge**  
Quick and easy to replace.



**Trophon EPR Wall Mount**  
Ideal for clinics with space constraints.



**Trophon Chemical Indicators**  
Validate successful high-level disinfection.



**Trophon EPR Mobile Cart**  
Easy point-of-care mobility.

# Trophon system specifications

## System Specification

Cycle Time	7 minutes
Cycle Verification	Via User Screen, Chemical Indicator and Electronic Log.
NanoNebulant <sup>†</sup> Sonex-HL (USA/CAN) <sup>†</sup>	Concentration 35% Volume – 80 ml Shelf Life – 2 years
Chemical Indicators	The Chemical Indicators are used exclusively for monitoring the high-level disinfection process when placed within the Trophon EPR chamber. The colour of the indicator changes from red to yellow when exposed to hydrogen peroxide.
Probe Compatibility	A validated probe list is available at <a href="http://www.nanosonics.com.au">www.nanosonics.com.au</a> . For any probe not listed, please check with your probe manufacturer regarding compatibility with the Trophon EPR

## Electrical Specifications

Electrical Requirements	Input Voltage: 110V/240V – (50-60 Hz) Input Current: 5 Amp
Agency Approvals	UL61010-1:2004 R10.08, IEC61010-2-0040:2005, CAN/CSA-C22.2 NO. 61010-1-04+G11 (R2009), CAN/CSA-C22.2 NO.61010-2-040-07
EMC Compliance	EN61326-1:2006 FCC Rules Part15 Subpart B Unintentional Radiators, Class B Digital Devices ANSI C63.4:2009. This device has been tested and found to comply with the limits for emission requirements (Electro-Magnetic Interference) pursuant to EN61000-4-2; 2005 & EN 61000-4-3: 2006. CISPR 11 Group 1 Class A equipment to CISPR 16-1 & CISPR 16-2, EN61000-4-2: 2005 & EN 61000-4-3: 2006

## Mechanical Specifications

Trophon EPR	19.3" H x 13.6" W x 13.6" D / 38 lbs. 490mm x 345mm x 345mm / 17 kg
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## Product Codes

### Trophon EPR

Trophon EPR	N00020-ANZ* N00010* (USA & Canada)
Wall Mount (1 per box)	N00017*
Cart (1 per box)	N00041* N00039* (USA & Canada)

### Consumables

NanoNebulant (12 x 80 mL bottles)	N00040*
Sonex-HL (12 x 80 mL bottles)	N00038* (USA & Canada)
Chemical Indicator (300 disks per box)	N00044* (ANZ) N00034* (USA & Canada)

### Trophon Printer

Trophon Printer	N00048* (including power cable and printer cable)
Trophon Printer Label Roll	N00049*

## Warranty: 12 months

For service and warranty, please contact your local distributor or sales representative.

<sup>†</sup>Sonex-HL (available in USA and Canada).

\*For all product codes outside Australia please contact your local distributor.

## About Nanosonics Limited

Nanosonics Limited is a global leader in the development of innovative technology for infection control. Its technology delivers superior, cost-effective healthcare and the highest standards of occupational health and environmental safety. Established in 2001, it is based in Sydney, Australia, with offices in the USA and Europe.



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