trophon – Protection by design

Setting the standard for the broadest microbial efficacy

- ✓ The only automated ultrasound probe high-level disinfection (HLD) technology to meet mandatory microbial efficacy requirements for both FDA-clearance and CE-marking
- ✓ Meets criteria for bactericidal, mycobacterial, fungicidal and virucidal disinfection efficacy in accordance with AOAC International Official methods and ASTM International Standards[1]
- ✓ Tested against an extensive range of infectious pathogens, including those that cause STIs, such as chlamydia, gonorrhoea, herpes, HIV, hepatitis A, B and C, as well as HPV, *Clostridium difficile* spores and drug-resistant bacteria (MRSA and VRE).[2,3]

CE-marking: Manufacturers' declaration that the product meets EU standards for health, safety, and environmental protection. ASTM: American Society for Testing and Materials. AOAC: Association of Official Analytical Chemists. STIs: Sexually Transmitted Infections. HIV: Human Immunodeficiency Virus. HPV: Human Papillomavirus. MRSA: Methicillin-Resistant *Staphylococus Aureus*. VRE: Vancomycin-Resistant *Enterococci*.

Ultrasound manufacturers' reprocessing solution of choice

- The trophon Probe Compatibility program is conducted in partnership with ultrasound probe manufacturers[4]
- All probes listed as compatible have been approved by the manufacturer for use with trophon
- Over 1,000 probes compatible across 24 manufacturers
  - New features on trophon2 devices:
    - Universal cable clamp compatible with a wider range of cable diameters^
    - Integrated Probe Positioner (IPP).

^Compared to trophon EPR.

trophon2 – The Global Standard of Care in ultrasound probe reprocessing

Everyday, approximately 80,000 patients worldwide are protected from the risk of cross-contamination because the ultrasound probe has been high-level disinfected with trophon. This equates to around 20 million patients annually.†

†As at December 2020.

DEMONSTRATED COMPLIANCE ACROSS THE WORKFLOW
- Automated and consistent HLD
- AcuTrace RFID technology

EFFICIENT WORKFLOW INTEGRATION
- Point-of-care HLD
- Minimal "hands-on" reprocessing time
- Environmentally friendly by-products

CUSTOMISED CONFIGURATION
- Adjustable wake-up/sleep timers
- Purge now or defer feature

ENHANCED USABILITY
- Touch screen interface
- Setup wizard and settings menu

BROADEST MICROBIAL EFFICACY
- Meets mandatory requirements
- Extensively tested against clinically-relevant species

EXTENSIVE PROBE COMPATIBILITY PROGRAM
- Compatible with over 1,000 probes
- Approved by probe manufacturers

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trophon2® Protection by design

nanosonics Infection Prevention. For Life.

References: 1. Vickery, K et al. J Infect Public Health 2014;7(2):153-160. **2.** Ryndock E, et al. J Med Virol. 2016;88(6): 1076-1080. **3.** trophon microefficacy brochure/internal test reports. **4.** Nanosonics Probe Compatibility Program data 2019. **5.** American National Standards Institute (ANSI), Association for the Advancement of Medical Instrumentation (AAMI). ST58: 2013 Chemical sterilization and high-level disinfection in health care facilities. 2013. **6.** Canadian Standards Association (CSA) 2018. CAN/CSA-Z314-18. Canadian Medical device reprocessing. NAN0371. MM01628-US-&-CA-BR V1. April 2021.

trophon2® Protection by design

Delivering consistent protection across every high-level disinfection (HLD) cycle

nanosonics Infection Prevention. For Life.

trophon® – Protection by design

- Nanosonics' trophon technology helps protect patients by delivering **automated and consistent high-level disinfection (HLD) of ultrasound probes with every cycle**
- For endocavitary and surface probes used in semi-critical and critical procedures, the fully-enclosed trophon technology[#]:
  - Uses high-frequency ultrasonic vibrations to generate a sonically-activated, hydrogen peroxide (H_2O_2) mist that kills bacteria, fungi, viruses and mycobacteria
  - Accesses all surfaces of the probe, including the body and handle, ensuring all crevices and imperfections are high-level disinfected
  - Produces only water and oxygen as the environmentally-friendly by-products of the HLD cycle.

trophon technology delivers protection for patients, staff and the environment

Due to greater reliability and reproducibility, most global guidelines now recommend automated methods over manual disinfection

[#]The trophon family includes the trophon EPR and trophon2 devices which share the same core technology of sonically-activated hydrogen peroxide.

trophon2 – Streamlines workflow efficiencies

trophon2 devices allow an integrated point-of-care workflow

As a fully-enclosed compact system, trophon2 devices make reprocessing in the patient environment possible.

- Can be placed in patient examination rooms with no special ventilation requirements
- Reduces the risk of exposure to hazardous chemicals, fumes and spills often associated with wipes and soaks
- Only gloves required for PPE
- Minimal hands-on time required.

Frees up your time for enhanced patient workflow

trophon2 devices are configurable and easy to use

New features and settings with trophon2 enhance the workflow even further:

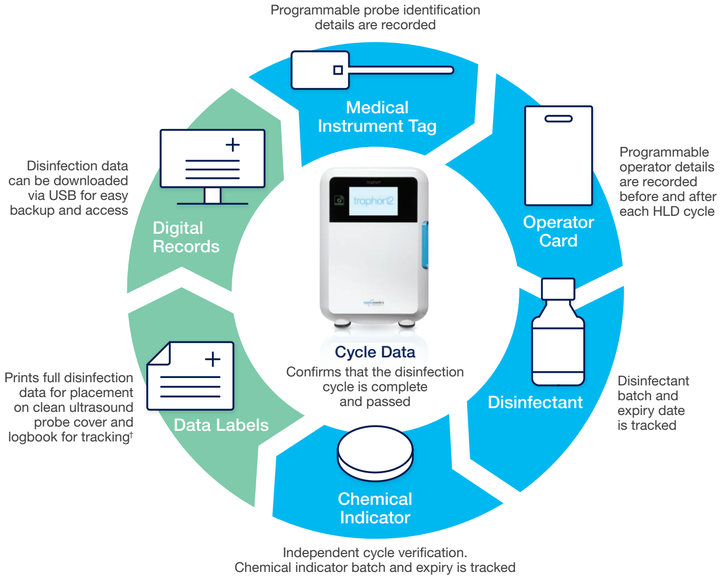
- **Daily warm-up:** Adjustable "wake up" times so it's ready to start when your day begins
- **Sleep timer:** Enters power saving mode when not in use. Adjust in hourly increments or option to turn off
- **Purge now or defer:** Purge can be deferred to later in the day when disinfectant has reached 30-day expiry in the device
- **Large touch screen interface:** First time setup wizard and settings menu access.

trophon2 – Delivers demonstrated compliance

AcuTrace®

trophon2 devices automatically demonstrate compliance with AcuTrace® RFID technology

- Accrediting agencies look for traceability processes that are compliant with evidence-based guidelines
- trophon2 with AcuTrace RFID technology delivers digital traceability across the reprocessing workflow:
  - Digital audit-ready records reduces the need for manual records, saving time and preventing human error
  - Records probe, operator, consumables and cycle data
  - Demonstrates user-compliance in accordance with AAMI and CSA standards.[5-6]



†When used in conjunction with the trophon printer.