

Materials Compatibility

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S-7XTRA® has been meticulously tested for materials compatibility with a range of surface types using industry-standardised and customised laboratory testing methodologies and long-range studies.

S-7XTRA® is found safe and effective for use on non-porous surfaces, and some porous materials.

Table 1: Approved Medical Device Compatibility

OEMs of reusable medical devices are responsible for developing instructions for reprocessing, including approval of cleaning and disinfection products. The table below contains current approved compatibility from OEMs as at the Issue Date of this document.

Before using S-7XTRA®, users should refer to the Instructions For Use (IFU) provided by the relevant medical device OEM for cleaning and disinfection instructions.

S-7XTRA® is intended for use on non-invasive medical devices.

Manufacturer	Types of Medical Device / Equipment Approved
Braun	Temperature scanners – Thermoscans.
Canon – Toshibaⁱ	Ultrasound equipment and probes – Aplio Series, Viamo Series, Xario Series.
Carrflex	Specialist chairs and exam beds – Carrflex Extreme range, and Carrflex MediPlus range.
ESI Inc	Prager Shell®
Howard Wright	Specialty hospital and healthcare furniture including ICU beds, ward beds (including paediatric), stretchers, examination couches, mattresses, and related accessories.
GE Healthcareⁱ	Extensive range of medical devices and equipment including neonatal care equipment, ultrasound equipment and probes, and patient monitoring equipment – Carestation 620/650/650c/750/750c, MAC 7, MAC VU360, KISS plus, MAC2000, MAC5, Sonographe, Crystal Nova, Essential, Pristina, Crystal, Giraffe Carestation Incubator, Giraffe Omnibed, Careescape One Monitor, Patient Monitoring B105/B125/B105P/B125P/B105M/B155M, Careescape Canvas 1000, Canvas D19, Canvas Smart Display, Parameter SpO2, Patient Monitoring Oxinox Trunk Cables, Trusignal SpO2 Sensors (interconnect cables & finger/wrap/ear sensors), soft sensors, Tec 820/850, Ultrasound LOGIQ E10/E10s, E9, Fortis P10, P9, P8, P7, Vivid E9, LOGIQ S7 R3, S7 xdclear LOGIQ S8 R4, Venue, Voluson SWIFT, SWIFT+, Voluson P6/P8, BT15/16/18/22, Vscan Extend, Invenia ABUS, ABUS 2.0 .
Fujifilm SonoSite	Ultrasound Equipment – including Edge II, S-Series, SII, M-Turbo, Mini-Dock. Ultrasound Probes – C10-3, C11n, C11x, C11xp, C35x, C35xp, C5-1, C60, C60x, C60f, C60xi, C60xp, C8x, ECG Cable (Grey), HFL38, HFL38xi, HFL38xp, HFL50, HFL50x, HSL25x, HSL25xp, IC10-3, ICTn, ICTx Rev 80 and below, ICTx Rev 81 and above, ICTx Rev 21 and below, ICTx Rev 22 and above, L25n, L25v, L25x, L25xp, L38m, L38x, L38xi, L38xp, L52n, L52x, P10x, P10xp, P21n, P21v, P21x, P21xp, P5-1, rC60xi, rP19x, rP19xp, SLAx.
Fresenius Kabiⁱ	Infusion pumps – Agilia range.

Manufacturer	Types of Medical Device / Equipment Approved
Mindrayⁱ	Ultrasound monitors, equipment, and probes.
Philipsⁱ	Ultrasound equipment and probes.
Samsung	<p>Phased array transducers - PA1-5A, PA1-5AE, PA2-9S, PA3-15S, PN2-4.</p> <p>Linear transducers - LA2-14A, LA2-16S, L3-12A, LA3-14A, LA3-14AD, LA3-16A, LA3-16AD, LF5-13, LM2-18, LM2-18D, LM3-27, L5-13/50, L5-12/50, LN5-12/40, LN5-12, LA2-9S, L3-8, L3-22.</p> <p>Endocavity transducers - EA2-11AR, EA2-11AV, EA2-11ARD, EA2-11ARE, EA2-11AVD, EA2-11AVE, EA2-11Arn, miniER7, EV2-10A, EV2-12, EV3-15, EA2-12SR, EA2-12SV, ER4-9, EV4-9, EVN4-9, EC4-9;</p> <p>Curved array transducers - CM2-11, CA2-13M, CA3-10A, CA2-8A, CA2-8AD, CF2-8, CA2-9A, CA2-9AD, CA1-7A, CA1-7AD, CM1-8, CN4-9, C2-8, C2-8ED, C2-5, CA4-10M.</p> <p>Curved volume transducers - CV1-8A, CV1-8AD, CV1-8AE, CMV1-10, CMV1-10Z.</p>
Siemensⁱ	Ultrasound equipment and probes – including ACUSON Sequoia range.
Steris Healthcare	Table and tabletop pads and mattresses.
Tristel	Daisygrip reusable venous tourniquet.
Verathon Medical	Ultrasound equipment – BladderScan i10, BVI 9400.

To enquire on materials compatibility for non-invasive medical devices / OEMs that are not listed, please contact our team.

TABLE NOTES:

ⁱ This Manufacturer approves disinfectants for use based on their own “approved chemical lists” and / or based on similar approved products or active ingredients.

Table 2: General Materials Compatibility

S-7XTRA® has been tested for compatibility with a range of materials used in environmental surfaces.

The table below is non-exhaustive and may be used to assist in making compatibility decisions based on material of construction.

Material / Group	Commonly used in
Carbon graphite	Most manufactured goods – ultrasound machines, patient monitoring equipment, aircraft.
Ceramics, tile, grout	Bathrooms, kitchens, floors, dental prosthesis.
Closed cell foam	Air filters, specialty sponges, protective covers, helmets.
Dartex® – polyurethane (PU) textile	Mattresses, mattress covers, wearable healthcare products, drapes.
Gas permeable cellulose acetate butyrate (CAB)	Contact lenses.
Textiles	Cotton, wool, nylon.
Glass and fiberglass	Windows, vials.
Laminate	Floors, fixtures, furniture.
Leather (incl. synthetic)	Chairs, furniture, specialist chairs, exam beds.
Metal	Soft and hard metals including stainless steel, copper, aluminum, brass, titanium, nickel, chrome, chrome plate.
Painted surfaces	Walls, equipment, furnishings.
Plastics – including polypropylene, polyurethane, polyethylene, polycarbonate, PVC acrylic	Most manufactured goods – hard, flexible, transparent plastics.
Tedlar® – polyvinyl fluoride (PVF)	Surface film coating used in internal and external aircraft surfaces.
Rubber	Most manufactured goods – rubber seals, hoses, tubes
Vinyl	Furnishings, equipment, floors.
Wood	Raw and varnished – furniture, floors.

To enquire on materials compatibility for specific materials that are not listed, please contact our team.