



Tetrad™ Ultrasound Probes

Linear Array Probes

High Quality Ultrasound Imaging

“Standard Probes” are the mainstay of general ultrasound imaging. Advances in manufacturing techniques allow Gore to offer its customers a new generation of probes that provide significant advantages in performance, price and reliability. Gore manufactures a wide range of high performance array probes that can be customized according to specific customer requirements. The general specifications listed cover the “common” ranges. Other specifications are offered as needed.

SAFETY

All safety testing will be done in compliance with IEC 60601-2-37.

- Electrical leakage – High voltage breakdown
- AC current leakage
- Drop test

ENVIRONMENTAL

Probe handle and requisite cable will meet the requirements for IEC529 “watertight” (IPX7).

BIOCOMPATIBILITY

The patient contact materials will be biocompatible per ISO 10993-1.

- Category: Surface device
- Contact: Skin
- Contact duration: Limited (<24h)

CHEMICAL COMPATIBILITY

Unless otherwise noted, probes will be verified to be compatible for the equivalent of one year of use. Where applicable, the manufacturer’s recommended concentration and exposure time will be used as a basis for determining the appropriate exposure.

- CIDEX®
- KLENZYME®
- Saline, 5% solution
- CIDEX® OPA
- MetriZyme®
- CIDEX® Plus
- Aquasonic gel
- Isopropyl alcohol: used for external wipe down, not for long-term soaking
- 10% Clorox® solution: used for external wipe down, not for long-term soaking

CIDEX®, CIDEX® OPA and CIDEX® Plus are registered trademarks of Advanced Sterilization Products™ a Johnson + Johnson Company

KLENZYME® is a registered trademark of Quad Chem Limited

MetriZyme® is a registered trademark of Metrex Research Corporation

Clorox® is a registered trademark of the Clorox Company



ACOUSTIC PARAMETERS

Center frequency	5.0 – 12.0MHz
Number of elements	64 – 288
Element pitch	0.1 – 0.4mm
Elevation width	3.0 – 7.0mm
Geometric focus	5 – 50mm

PROBE CABLE AND SYSTEM CONNECTOR

Cable types	Typically low-cap, highly ergonomic GORE™ Medical Probe Cables Other cable types are available to meet specific needs
Cable length	2.0 – 3.6 m
Connector and housing	Customized per customer requirements
Tuning	Optimized for customer requirements

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