ULTRASOUN D

Spherical Lesion Phantom

GAMMEX4 08 LE

Ultrasoundi magine qualityi nt hree dimensions: Axial,l ateral and elevational.

The Spherical LesionP hantom Gammex4 08 LE provides a uniquew ay of testing resolutionp erformanceo f ultrasound scanners. The Spherical Lesion Phantom contains 2m ma nd 4m md iametert issuem imicking spherical lesionsw hich liei na singlep lane at thec enter of thep hantom. Axial,l aterala nd elevational resolution are accounted fors imultaneously and equallyf or allt ypeso fu ltrasound systems and configurations.I n the2 mm section,t herea re 105a nechoics pheres at 0.5c m depth intervalsa nd in the4 mm sectiont here are2 11 anechoics pheres at 0.75 cm depth intervals.

The Spherical Lesion PhantomG ammex4 08 LE incorporateso ur TissueM imicking (TM) gelw hich providesa smoother background texture than conventional tissue mimmicking gels. TheG ammexg el allows production of lesionsw ith negligible echogenicity whilep roducing no distal enhancement or shadowingi nherentw ith other gelf orms. TheT Mg el is also optimizedf or use with tissueh armonics imaging technology.

In addition,t heG ammex4 08 LE has an ew composite film scanning surface that has improvedt ransmission properties so more of theu ltrasonic beamc an be transmitteda nd received.

Optional accessories fort heG ammex lineo fU ltrasound phantoms includeS oftF oam-LinedC arryingC ase, Rigid Case,o rt heP recision UltrasoundT ransducerG uide.

continued .....

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GAMME X4 08 LE

ULTRASOUN D

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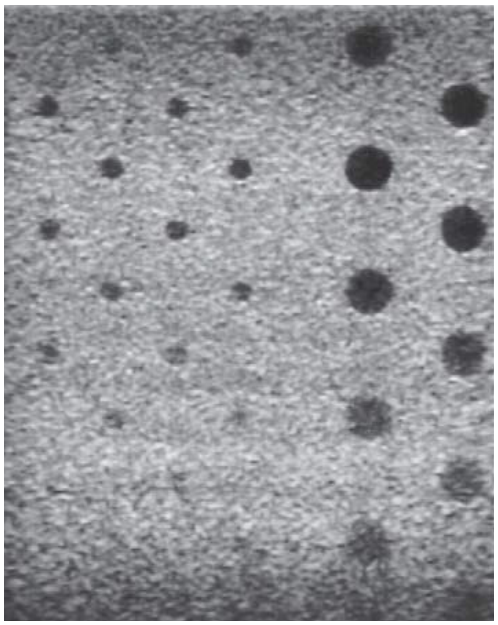

Thisu ltrasoundi mage demonstratest he anechoic spheres containedi nt he Spherical Lesion Phantom Gammex4 08 LE.N otet he well defined2 mm and 4m mt argets.

SPECIFICATIONS

High ResolutionT issue Mimicking Gel
Speedo f sound .. 1540± 10 m/sa t 22°C
Attenuation .... 0.5o r0 .7 ±0.05 dB/cm/MHz

AnechoicS pherical Lesions
Size.....4 mm in ap lane 0.5t o1 6c m
2m mi na plane0 .5 to 10.5c m
Contrast..... -30d B relativet ob ackground

Construction
Scanning
surface .....C ompositeF ilm
Walls ..... Extruded ABS
Dimensions ..... 23.2x8.25x18.5c m
(9.25x3.25x7.25 in)
Weight..... 2.8k g(6l bs 5 oz)
Alla coustic measurementsa t 4.5M Hz, 22°C

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