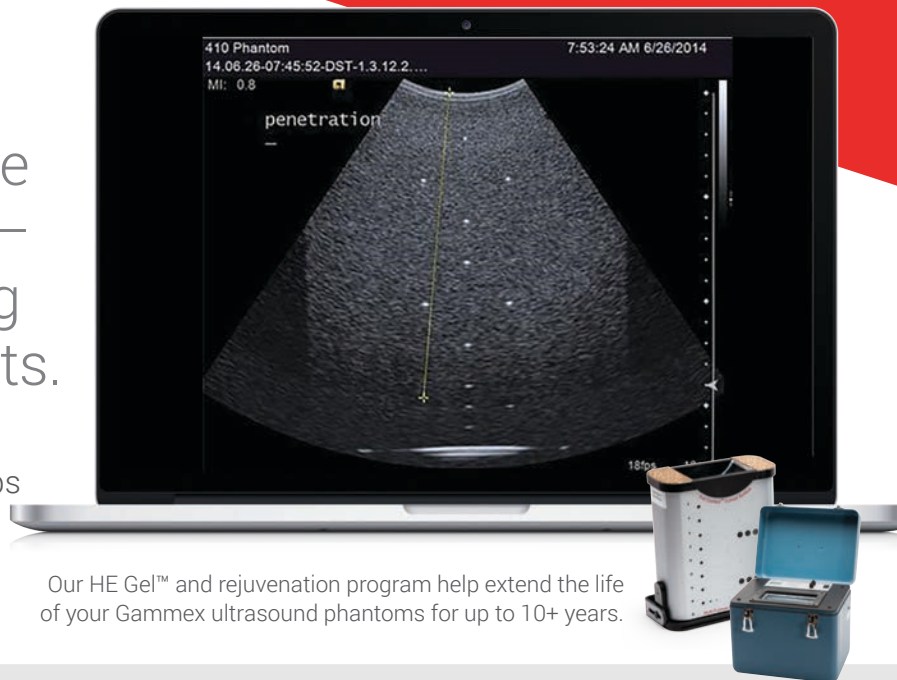


**HE Gel™** has superior longevity and provides high quality, reproducible images for many years— from acceptance testing through multiple QC tests.

HE (High Equivalency) Gel™ is what sets Gammex ultrasound products apart; it helps ensure all your transducers and system settings are fully tested across the entire frequency range.



Our HE Gel™ and rejuvenation program help extend the life of your Gammex ultrasound phantoms for up to 10+ years.

*“The tissue-like properties in Gammex ultrasound phantoms make them ideal for testing the performance of scanners.”*

*“The rejuvenation process is a cost-effective step to assure that our (phantom) is the same over (years of use). This exclusive feature is invaluable in our QA program and in tests done to support the clinical laboratory accreditation processes of the ACR and the AIUM.”*

**James A. Zagzebski, Ph.D., FAAPM**  
 Professor Emeritus, Retired Chair  
 Department of Medical Physics,  
 Wisconsin Institutes for Medical Research

**A Critical Consideration in the Selection of an Ultrasound Phantom**

The higher the frequency response, the less depth of penetration. This can lead to deterioration in axial resolution and penetration depth measurements at higher frequencies, and potentially can produce QC and performance results which are not representative of tissue.<sup>1,2,3</sup> Gammex HE Gel solves these potential issues.

- Very uniform: equivalent to human liver
- Near-linear variation of attenuation with frequencies between 2 to 18 MHz
- Over 8 MHz, HE Gel supports accurate axial resolution and penetration depth representative of human tissue<sup>1,4</sup>

**HE Gel Specifications**

Frequency Range <sup>4</sup> :	2 – 18 MHz
Speed of Sound:	1540 ± 10 m/s
Attenuation Coefficient:	0.5 or 0.7 dB/cm/MHz
Variation of attenuation with frequency <sup>4,5</sup> :	f <sup>1.08</sup> at 0.5 dB/cm/MHz f <sup>1.1</sup> at 0.7 dB/cm/MHz

**Rejuvenation Will Protect Your Investment**

Our Doppler Flow and Sono (B-Mode) phantoms are the only ultrasound phantoms on the market that can be rejuvenated and re-validated. Implementing a rejuvenation program can extend the life of the phantom to 10+ years.

**GAMMEX PHANTOM**  **REJUVENATION PROGRAM**

**= 10+ YEARS OF PHANTOM LIFE**  
**= CONSISTENT SYSTEM PERFORMANCE EVALUATION OVER TIME**



**GAMMEX**