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Product Overview

The Gammex 429 Ultrasound Biopsy Phantom is a tool for the radiologist or resident to use to practice ultrasound-guided biopsy procedures before performing them on patients.

The phantom provides similar resistance to the needle as soft tissue. Because the phantom also has ultrasonic characteristics similar to soft tissue it can be scanned with normal scanner control settings. The phantom contains fluid-filled lesions for fine needle aspirations and solid masses for core biopsies.

Product Description

The Ultrasound Biopsy Phantom is filled with water-based tissue mimicking material that contains randomly spaced simulated lesions. For fine needle aspiration, there are 3 water-filled lesions that range from 10-15 mm in size. For core biopsies, there are 4 hyperechoic and 4 hypoechoic solid masses which vary in size from 7-10 mm. The hyperechoic lesions contain a green fill and the hypoechoic lesions contain a semitranslucent fill. This provides the user with a visual check to differentiate between the mass tissue and the surrounding tissue and determine the success of the biopsy.

⚠️ Caution: Store at 40° - 100° F (5° - 38° C).
**Target Layout**

**Side View**

- Level 1
- Level 2
- Level 3

- **H₂O** – 10-15mm Water-filled
- 7H – 7mm High density
- 7L – 7mm Low density
- 10H – 10mm High density
- 10L – 10mm Low density
Using the Phantom

1. Place the phantom on a clean, level surface.
2. Apply coupling gel and scan the phantom using clinical scanner control settings.
3. Locate a lesion and perform the biopsy procedure as you would on a patient.
4. Aspirate or core the lesion and remove its contents.
5. Clean gel off of phantom after use.
6. Discard the phantom when all lesions have been biopsied.

■ Note: The phantom is intended to be used in a single practice session.
References


Addendum

- Due to the nature (disposable) and use (training) of this phantom, GAMMEX’s standard warranty is limited to 60 days from the date of shipment.

- Do not subject the phantom to temperatures above 100°F or below 40°F.
Sales and Service

GAMMEX is committed to satisfying our customers’ needs. If you have any questions, comments, or suggestions regarding our products and service, please call or fax us.

Sales Department hours are Monday through Friday, 7:30 am to 5:00 pm, Central Time.

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Product Warranty

WARRANTY, DISCLAIMERS AND LIMITATION OF LIABILITY:
The Products are covered by the warranty set forth in the following paragraphs. The warranty is extended only to the purchaser of the Products directly from Seller (or an authorized dealer of Seller) as new merchandise. For a period of sixty (60) days from the date of shipment to Buyer, the Products are warranted to be free from functional defects in materials and workmanship, provided they are operated under condition of normal use, and that repairs and replacements are made in accordance herewith. Seller does not warrant bulbs. The foregoing warranty shall not apply to Products that have been disassembled, altered or repaired (other than proper replacement bulbs) other than by Seller or if the Product has been subject to abuse, misuse, negligence or accident.

Seller’s sole and exclusive warranty obligation and Buyer’s sole and exclusive warranty consists of Seller, at its option, repairing or replacing free of charge Products: (a) which contain a defect covered by the above warranty; (b) which are reported in writing to Seller not later than seven (7) days after the expiration of the twelve month warranty period; (c) which are returned to Seller promptly after discovery of the defect; and (d) which are found to be defective by Seller upon Seller's examination. Buyer shall pay all transportation charges. SELLER SHALL NOT BE OTHERWISE LIABLE FOR ANY DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS OR OVERHEAD, REIMBURSEMENT, PERSONAL INJURY OR PROPERTY DAMAGE. THE AFORESAID WARRANTY OBLIGATION OF SELLER CONSTITUTES ITS SOLE LIABILITY, AND UNDER NO CIRCUMSTANCES, SHALL THE MAXIMUM LIABILITY OF SELLER UNDER ANY LEGAL THEORY (e.g. CONTRACT, WARRANTY, NEGLIGENCE, PROMISSORY, ESTOPPEL, STRICT LIABILITY, MISREPRESENTATION, TORT) AND FOR ANY REASON WHATSOEVER (e.g. DEFECT, DELAY OR OTHERWISE) EXCEED THE PURCHASE PRICE OF THE DEFECTIVE PART, REGARDLESS WHETHER THE CLAIM IS ASSERTED BY BUYER OR ANY OTHER PERSON OR ENTITY. THE LIABILITIES OF SELLER, AS ABOVE SET FORTH, SHALL NOT BE EXTENDED BECAUSE OF ADVICE GIVEN BY IT IN CONNECTION WITH THE DESIGN, INSTALLATION OR USE OF THE PRODUCTS OR PARTS THEREOF.

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