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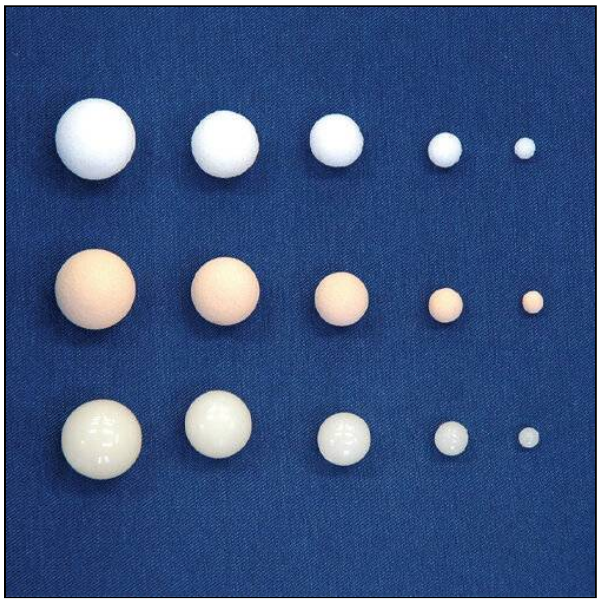

Simulated tumors

Item No.	PH-1
Weight	
Brand	KYOTO KAGAKU, JAPAN

Read More

SKU:

Categories: Radiology Phantom

Product Description

Simulated tumors

Set includes

Materials

Production ? Development Supervision

Simulated tumors
Soft tissue: urethane based resin (specific gravity: 1.06) / Synthetic bone: epoxy resin (specific gravity: 1.31) / *Phantom has no metal parts or liquid structure
Kiyoshi Murata, Professor, Department of Radiology, Shiga Medical University / Norihisa Nitta, Director of Angiography Center, Kyoto Okamoto Memorial Hospital

Publication references	Xie, X., Zhao, Y., Snijder, R. A., van Ooijen, P. M., de Jong, P. A., Oudkerk, M., ... Greuter, M. J. (2013). Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. European radiology, 23(1), 139-147. doi:10.1007/s00330-012-2570-7 / Gomi, T., Nakajima, M., Fujiwara, H., Umeda, T. (2011) Comparison of Chest Dual-energy Subtraction Digital Tomosynthesis Imaging and Dual-energy Subtraction Radiography to Detect Simulated Pulmonary Nodules with and without Calcifications. Academic Radiology, 18(2), 191-196. doi:10.1016/j.acra.2010.09.021
Update	July 25, 2020

Why Choose Simulated Tumors for the LUNGMAN Chest Phantom in India?

The Simulated Tumors (Item No. PH-1, Brand: Kyoto Kagaku, Japan) are replacement tumor inserts for the Multipurpose Chest Phantom N1 "LUNGMAN," used across CT interpretation training, anatomical education, and device evaluation research. Developed under the supervision of Kiyoshi Murata, Professor, Department of Radiology, Shiga Medical University, and Norihisa Nitta, Director of Angiography Center, Kyoto Okamoto Memorial Hospital. The tumors contain no metal parts or liquid structure.

Set includes: Simulated tumors.

Specifications: Materials — soft tissue: urethane-based resin (specific gravity 1.06); synthetic bone: epoxy resin (specific gravity 1.31).

Backed by published research: These simulated tumors are referenced in the same peer-reviewed publications validating the LUNGMAN phantom system — Xie et al. (2013), "Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT," European Radiology, 23(1), 139-147; and Gomi et al. (2011), "Comparison of Chest Dual-energy Subtraction Digital Tomosynthesis Imaging and Dual-energy Subtraction Radiography," Academic Radiology, 18(2), 191-196.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Kyoto Kagaku products in India with over 30 years of experience supplying radiology training phantoms and accessories to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: Are these compatible with the LUNGMAN phantom? A: Yes — these are the simulated tumor inserts designed for the Multipurpose Chest Phantom N1 "LUNGMAN."

Q: How do I order from SEM Trainers? A: Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.