SEM TRAINERS & SYSTEMS
WHERE TIME MOVES AHEAD TO KEEP PACE WITH KNOWLEDGE
SEM- Scientific Educative Methods in Science, Engineering & Medicine

Mobile :	+91 88495 63724	**Email:**	sem@semtrainers.com
Mobile 1:	+91 98791 03905	**Website:**	www.semtrainers.com

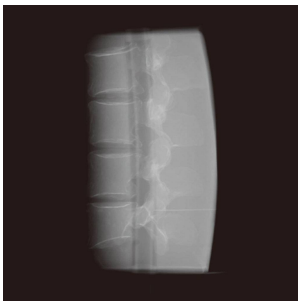
Lumbar Spine Fluoroscopy Training Phantom

Item No.	PH-51
Weight	15kg
Brand	KYOTO KAGAKU, JAPAN

Read More

SKU:

Categories: Uncategorized



Product Description

Why Choose the Kyoto Kagaku Lumbar Spine Fluoroscopy Training Phantom (PH-51) for Your Simulation Lab in India?

The Lumbar Spine Fluoroscopy Training Phantom (Item No. PH-51, W33 × D21 × H30 cm, 1.5 kg

assessment unit) by Kyoto Kagaku, Japan is an ideal hands-on training tool for vertebroplasty and fluoroscopy-guided interventional procedures on a lumbar torso phantom with a radio-opaque L2-L5 spine clearly visible under X-ray imaging. Developed and supervised by Dr. David Wilson MBBS, BSc, MFSEM, FRCP, FRCR, Consultant Musculoskeletal Interventional Radiologist and Senior Clinical Lecturer at the University of Oxford — the definitive credential for an interventional radiology training phantom. For interventional radiology training programmes, orthopaedic surgery residency courses, anaesthesiology training, and NMC-mandated simulation labs in India that need to train fluoroscopy-guided lumbar spinal procedures with realistic tissue penetration feedback on a radiation-compatible phantom, this is the only Kyoto Kagaku phantom in the catalogue combining vertebroplasty and epidural/nerve block training on a single platform.

Two interchangeable and replaceable training blocks define the dual-purpose capability. The **vertebroplasty block** trains the complete vertebroplasty procedure sequence — identifying the pedicle under fluoroscopy, advancing the needle through the pedicle into the vertebral body, and injecting bone cement — with true-to-life sensation when penetrating soft tissue and bone. The **anesthesia block** trains fluoroscopy-guided epidural anaesthesia and associated procedures: needle placement for facet joint injection, nerve root block, and discogram — the full range of image-guided lumbar interventional procedures performed in pain management and anaesthesiology practice. The lumbar spine L2-L5 is visualised under X-ray exactly as in clinical fluoroscopy. Soft tissue is urethane-based resin (specific gravity 1.06), synthetic bone is epoxy resin (specific gravity 1.31) — material properties stated, confirming X-ray attenuation characteristics relevant for fluoroscopy training.

Replacement blocks available separately: anesthesia block (41913-000-01), vertebroplasty block (41913-000-02). Optional LP and epidural blocks from the M43B Lumbar Puncture Simulator II family (11348-series) are also compatible. Recommended needles: 18G epidural, 21G spinal.

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 medical simulators to 1,500+ institutions across 28 states. We provide pan-India delivery, on-site installation, faculty orientation, and dedicated after-sales support.

Frequently Asked Questions

Q: What procedures can be trained on this phantom? A: Vertebroplasty (using the vertebroplasty block) and fluoroscopy-guided epidural anaesthesia, facet joint injection, nerve root block, and discogram (using the anesthesia block) — all under real fluoroscopic imaging on L2-L5 anatomy.

Q: Are the training blocks replaceable? A: Yes. The anesthesia block (41913-000-01) and vertebroplasty block (41913-000-02) are available as separate replacement parts.

Q: What is the unit weight and dimension? A: 1.5 kg, W33 × D21 × H30 cm. The 15 kg weight on

the product page is the packing weight, not the unit weight.

Ideal training tool for hands-on workshop of vertebroplasty / The phantom has two types of interchangeable and replaceable inserts with radio-opaque lumbar spine

Features	1. Two types of replaceable training block: vertebroplasty block and anesthesia block 2. Lumbar spine L2-L5 can be visualized under X-ray. 3. True-to-life sensation when penetrating tissue and bones.
Set includes	1 lumbar torso 1 vertebroplasty block 1 anesthesia block 1 skin cover 1 syringe 1 irrigation bag 1 storage case manual
Size (approx.)	W33 x D21 x H30 cm / W13 x D8.2 x H11.8 in
Packing size (approx.)	W52 x D44 x H30 cm / W20.5 x D17.3 x H11.8 in
Weight (approx.)	1.5kg / 3.3lb (Assessment unit)
Materials	Soft tissue: urethane based resin (specific gravity: 1.06) / Synthetic bone: epoxy resin (specific gravity: 1.31)
Replacement parts	41913-000-01 anesthesia block for PH-51 / 41913-000-02 vertebroplasty block for PH-51 / 11348-150 Replacement skin cover for M43B
Optional parts	11348-090 1 LP block (normal CSF) 11348-110 1 LP block (obesity CSF) 11348-120 1 LP block (senior CSF) 11348-130 1 LP block (senior obesity CSF) 11348-140 1 epidural block 11348-150 1 lumbar region skin cover
Related products	M43B Lumbar Puncture Simulator II MW3 Epidural Anesthesia Simulator M43E Ultrasound Compatible Lumbar Puncture/ Epidural Simulator
Production ? Development Supervision	Dr. David Wilson MBBS, BSc, MFSEM, FRCP, FRCR, Consultant Radiologist St Luke's Hospital Oxford, Senior Clinical Lecturer University of Oxford
ANATOMY	Lumbar spine (L2-L5) / Spinal canal / Epidural space (anesthesia block only)
Application	Recognition of fluoroscopic anatomy and landmarks / Vertebroplasty / Fluoroscopy guided epidural anesthesia: needle placement in facet joint injection, root block and discogram.
Doctor's Voice	"I have tested the final product with various different manufacturing kits and would have no hesitation in recommending these phantoms to clinicians who wish to teach any of the technical vertebroplasty procedures." / DR DAVID J WILSON MBBS BSc MFSEM FRCP FRCR / CONSULTANT MUSCULOSKELETAL INTERVENTIONAL RADIOLOGIST
Notes	Recommended devices: Epidural needle: 18G / Spinal needle: 21G
Update	July 14, 2020