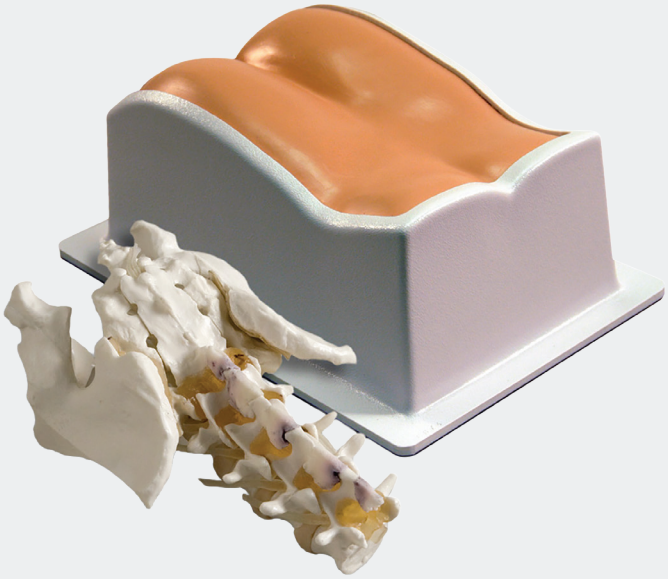
SUN NUCLEAR
A MIRION MEDICAL COMPANY

Lumbar Training Phantom

034

- Supports skill development and demonstration of lumbar spine procedures
- Enables multimodality training for fluoroscopy-guided lumbar and spinal injection procedures



The Lumbar Training Phantom is an anatomically realistic multimodality training device for practicing fluoroscopy-guided lumbar and spinal injection procedures with realistic tactile feedback. The phantom is compatible with CT, MR, and ultrasound imaging, supporting multimodality training and procedural planning. It features anatomically representative lumbar structures from L2 to coccyx for accurate procedural simulation.

The phantom supports development of freehand and image-guided interventions such as sacroiliac joint injections, lumbar and caudal epidural injections, diskography, nerve blocks, and facet joint blocks. Simulated ligaments, spinal cord, intervertebral discs, skin, and surrounding soft tissues are constructed with varying material stiffness, allowing trainees to experience tactile feedback as they advance needles toward the intended target site.

Key Benefits

- Supports teaching, training, and clinical competency assessment in a non-stressful environment
- Enables testing and demonstration of new devices
- External anatomy landmarks and soft Z-Skin™ elastomer skin support palpation techniques
- Realistic tissue stiffness provides haptic feedback
- Skeletal, connective, and nervous tissue-mimicking materials within a Zerdine® hydrogel background
- CT, MRI, ultrasound, and fluoroscopy compatibility

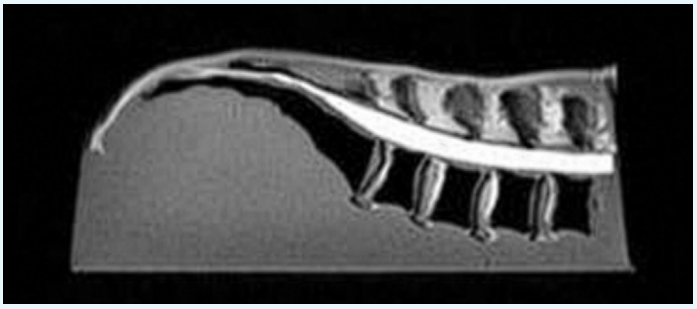
©2026 Mirion Technologies, Inc. or its affiliates. All rights reserved. Sun Nuclear, the Sun Nuclear logo, and other trade names of Sun Nuclear products listed herein are registered trademarks or trademarks of Mirion Technologies, Inc. or its affiliates in the United States and other countries. Third party trademarks mentioned are the property of their respective owners. All Rights Reserved. All data used is best available at time of publication. Data is subject to change without notice.

Lumbar Training Phantom

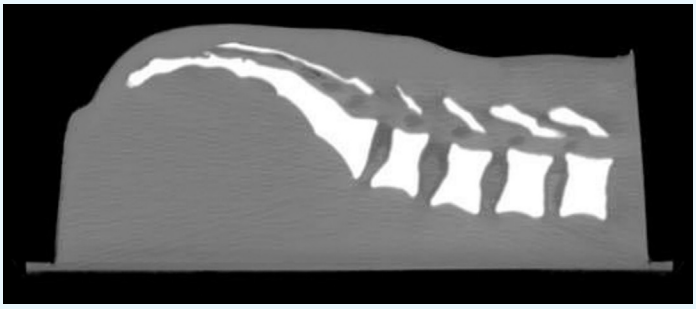
Supports skill development and demonstration of lumbar spine procedures

Specifications

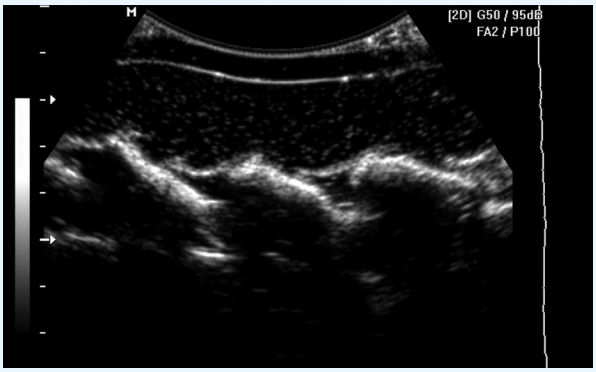
Dimensions	38 x 25 x 18 cm (15" x 10" x 7")
Weight	7.1 kg (16 lbs)
Materials	Zerdine hydrogels Z-Skin elastomer skin Epoxy resin skeletal tissue Urethane elastomer ligaments and nerves
Anatomy	L2 to S1 vertebrae Intervertebral discs Sacrum Partial ilium Sacroiliac joint Supraspinous ligament Interspinous ligament Ligamentum flavum Spinal cord with nerve roots



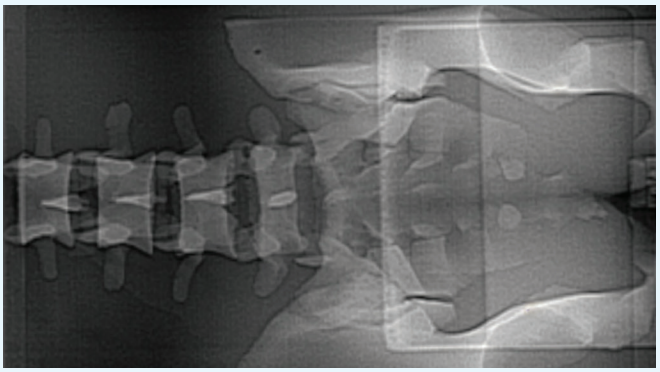
Sagittal MR-T1



Sagittal CT



Sagittal ultrasound



X-ray

Note: If any device has been inserted into the phantom, the warranty does not cover claims related to material desiccation or needle tracking.