



DEXA Phantom

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- Supports assessment of DEXA instrument stability
- Enables verification of DEXA function and stability over clinically relevant BMD range



The BioClinica Bona Fide Phantom (BFP¹) is a quality control tool for Dual-Energy X-ray Absorptiometry (DEXA) systems, featuring an acrylic-embedded calcium hydroxyapatite (CHA) step wedge. This design supports assessment of DEXA instrument stability and is compatible with all major DEXA platforms.

The BFP provides a clinically relevant bone mineral density (BMD) range of 0.7 to 1.5 g/cm², enabling verification of system performance across a spectrum of densities rather than at a single “healthy” reference point. Linearity across this range is essential for comprehensive instrument evaluation. The phantom incorporates a CHA insert to allow direct assessment of bone density accuracy, meeting the requirements for cross-calibration phantoms used in clinical trials.

The phantom is supplied with a dedicated carrying case for convenient handling and transport. The carrying case may remain with the phantom during scanning and does not affect BMD measurements, allowing for quick placement and removal from the scanning table. An optional flight case is available for enhanced protection during transport.

Key Benefits

- Provides a clinically relevant range of densities
- Realistic soft tissue-mimicking material
- Easy to carry and can be scanned in the carrying case
- Universal axial DEXA instrument compatibility
- No water bath required
- Provides an edge-detection challenge
- Includes a carrying case

¹ BFP design is the property of BioClinica, Inc.

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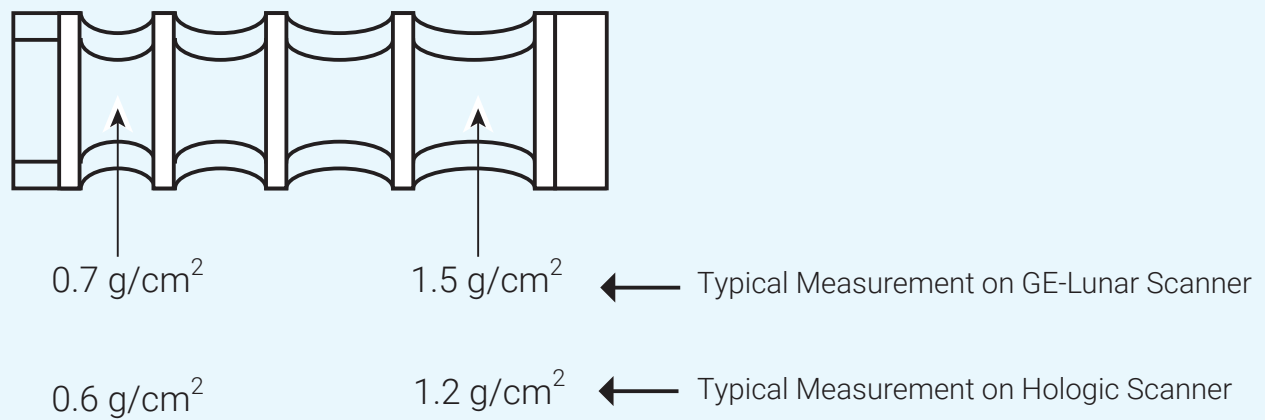
Supports assessment of DEXA instrument stability

Specifications

Dimensions	22 x 19 x 15 cm (8.7" x 7.5" x 6")
Weight	6.3 kg (14 lbs)
Materials	Acrylic embedded calcium hydroxyapatite Soft tissue analog, approximately 25% fat
BMD Range	0.7 to 1.5 g/cm ² (GE-Lunar) 0.6 to 1.2 g/cm ² (Hologic)

Optional Accessories

Flight case



Note: The various DXA scanner manufacturers have developed and published cross-calibration formulas for use in data comparison.