

# ***DEXA Phantom***

Model 026



USER GUIDE

**CIRS**

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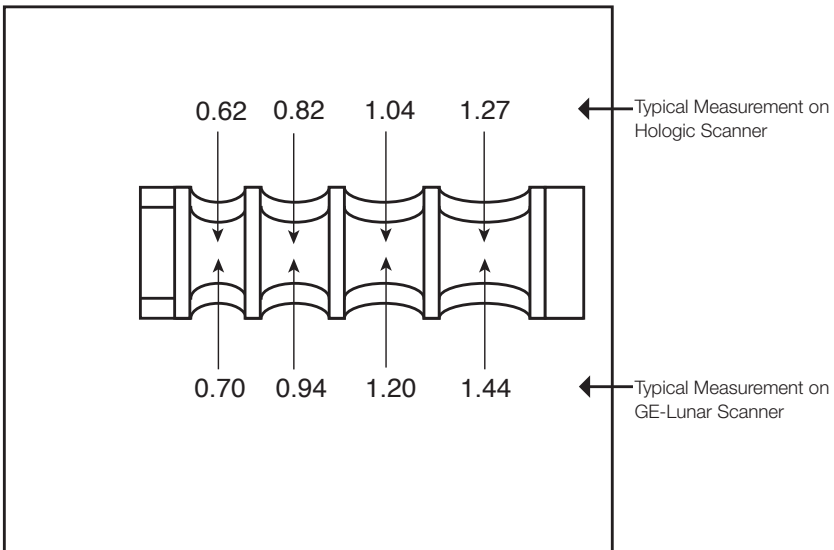
## OVERVIEW

BioClinica's "Bona Fide Phantom" (BFP)<sup>1</sup>, is a quality control tool for Dual-Energy X-ray Absorptiometry (DEXA) instruments, which features an acrylic-embedded calcium hydroxyapatite (CHA) step-wedge. Advanced design features make it the best choice for assessing DEXA instrument stability. You can successfully use the BFP on all mainstream DEXA instruments.

The BFP offers a range of densities (0.7 - 1.5 g/cm<sup>2</sup>), to verify instrument function over the clinically relevant range, not just at a single, "healthy" bone mineral density (BMD). Linearity of BMD over the clinically range is critical for full instrument evaluation. Our phantom uses a CHA insert for direct assessment of bone density accuracy, as required for cross-calibration phantoms used in clinical trials.

The BFP is cast in acrylic and comes with its own carry case for easy handling. The tote remains on the phantom during scanning and does not affect BMD readings, allowing rapid placement and removal for the phantom from the bed. A flight case is available as an option.

## SPECIFICATIONS



**Note:** The various DXA scanner manufacturers have developed and published cross-calibration formulas for use in data comparison. Data provided in g/cm<sup>2</sup>. See References.

<sup>1</sup>BFP design is the property of BioClinica, Inc.

<b>OVERALL DIMENSIONS</b>	22 cm x 19 cm x 15 cm (8.7" x 7.5" x 6")
<b>WEIGHT</b>	17 lbs. (6.3 kg)
<b>MATERIALS</b>	<p><b>ACRYLIC EMBEDDED</b> Calcium Hydroxyapatite</p> <p><b>SOFT TISSUE ANALOG</b> Approximately 25 % Fat</p> <p><b>BMD RANGE</b> 0.7 to 1.5 g/cm<sup>2</sup> (GE-Lunar) 0.6 to 1.2 g/cm<sup>2</sup> (Hologic)</p>

### MODEL 026 INCLUDES

QTY	COMPONENT DESCRIPTION
1	DEXA Phantom
1	User Guide
1	Carrying Case
-	60 Month Warranty

## USE OF THE PHANTOM

- Phantom should be used to fulfill QC requirements outlined by users DEXA system.
- Phantom may remain in the provided tote during scans to allow for rapid placement and removal.

## CARE AND HANDLING

Do not use any solvent or solvent based products to clean your phantom. Use mild soap and water to clean as needed.

### Publication references:

1. Pearson D, Cawte SA, Green DJ. A comparison of phantoms for cross-calibration of lumbar spine DXA. Osteoporos Int. 2002;13(12):948-54.
2. Jackson, S.A., Miller CG. Choice of Cross Calibration Phantom for DXA of the Lumbar Spine and Total Hip.

## WARRANTY

All standard CIRS products and accessories are warranted by CIRS against defects in material and workmanship for a period as specified below. During the warranty period, the manufacturer will repair or, at its option, replace, at no charge, a product containing such defect provided it is returned, transportation prepaid, to the manufacturer. Products repaired in warranty will be returned transportation prepaid.

There are no warranties, expressed or implied, including without limitation any implied warranty of merchantability or fitness, which extend beyond the description on the face hereof. This expressed warranty excludes coverage of, and does not provide relief for, incidental or consequential damages of any kind or nature, including but not limited to loss of use, loss of sales or inconvenience. The exclusive remedy of the purchaser is limited to repair, recalibration, or replacement of the product at manufacturer's option.

This warranty does not apply if the product, as determined by the manufacturer, is defective because of normal wear, accident, misuse, or modification.

### NON-WARRANTY SERVICE

If repairs or replacement not covered by this warranty are required, a repair estimate will be submitted for approval before proceeding with said repair or replacement.

### RETURNS

If you are not satisfied with your purchase for any reason, please contact your local distributor prior to returning the product. Visit <https://www.cirsinc.com/distributors/> to find your local distributor. If you purchased your product direct through CIRS, call Customer Service at 800-617-1177, email [rma@cirsinc.com](mailto:rma@cirsinc.com), or fax an RMA request form to 757-857-0523. CIRS staff will attempt to remedy the issue via phone or email as soon as possible. If unable to correct the problem, a return material authorization (RMA) number will be issued. Non-standard or "customized" products may not be returned for refund or exchange unless such product is deemed by CIRS not to comply with documented order specifications. You must return the product to CIRS within 30 calendar days of the issuance of the RMA. All returns should be packed in the original cases and or packaging and must include any accessories, manuals and documentation that shipped with the product. The RMA number must be clearly indicated on the outside of each returned package. CIRS recommends that you use a carrier that offers shipment tracking for all returns and insure the full value of your package so that you are completely protected if the shipment is lost or damaged in transit. If you choose not to use a carrier that offers tracking or insure the product, you will be responsible for any loss or damage to the product during shipping. CIRS will not be responsible for lost or damaged return shipments. Return freight and insurance is to be pre-paid.

### WITH RMA NUMBER, ITEMS MAY BE RETURNED TO:

CIRS  
Receiving  
900 Asbury Ave,  
Norfolk, Virginia, 23513 USA

PRODUCT	WARRANTY PERIOD
Model 026 - DEXA Phantom	60 Months

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Specifications subject to change without notice.

Publication: 026 UG 090120



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