
Designed on the basis of the well established European Spine Phantom (ESP) the QRM-DXA-Spine-QA-Phantom incorporates a simplified and more cost effective design of the vertebrae specifically developed for quality assurance (QA) and stability monitoring of Dual X-ray Absorptiometry (DXA) devices.

The complex vertebrae of the ESP are replaced by a more dedicated shape explicitly adapted to the needs of a DXA QA-Phantom. With the QRM-DXA-Spine-QA-Phantom, areal Bone Mineral Density (aBMD) can be easily determined in AP and lateral projections.

Benefits

✓ bone mineral content (BMC) in g
✓ bone mineral areal density (BMD) in g/cm² for DXA AP and lateral projections
✓ projected area (A) in cm²

Specification

Phantom body ............... tissue-equivalent plastic at 120 kV (CT)
L1 - L3 ..................... 3 full homogeneous vertebrae with a HA concentration of 270 mg/cm³
aBMD (AP) .................. 1.0 g/cm²
Accuracy .................. ±3% of specified values ±1% of certified values
Phantom body ........... 260 mm x 180 mm (± 2mm)
Phantom weight ........... 4300 g

Different HA concentrations for the vertebrae are available upon request.