# Bone Equivalent Materials

## QRM-Bone

**In our product range we offer realistic bone with CaHA content as well as bone equivalent material. These materials mimic real human bone with respect to its physical x-ray attenuation properties.**

Calcium Hydroxyapatite (CaHA) is the basic component of human bone (> 40% CaHA in bone). QRM-Bone can be specified in many HA-concentration (mg HA / ccm) up to 1000 HA (1200 HA for Micro-CT). It is available in many shapes.

Application range of QRM-Bone:

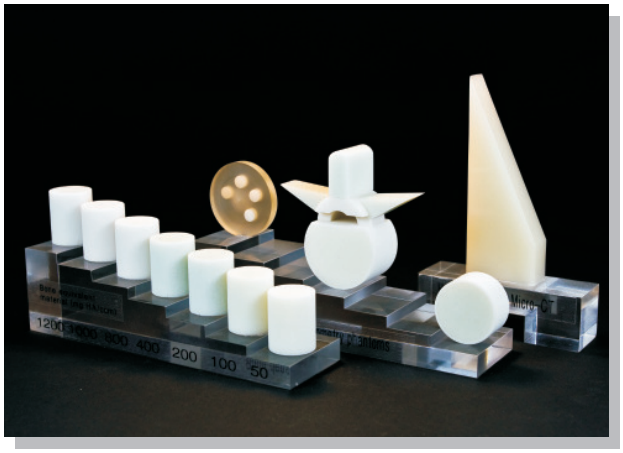
- bone calibration
- bone density measurements
- bone (spine, hip, etc.) in anthropomorphic phantoms
- Ca-plugs and stenosis in coronary arteries
- high attenuating spheres
- and many others

The basic material (which is mixed with the specific fraction of CaHA) is available as CTWATER®, tissue equivalent, or fat.
Many densities of CaHA (or specified CT-values HU) are available upon request.

Available concentrations for CT:
0 - 1000 mg HA / ccm

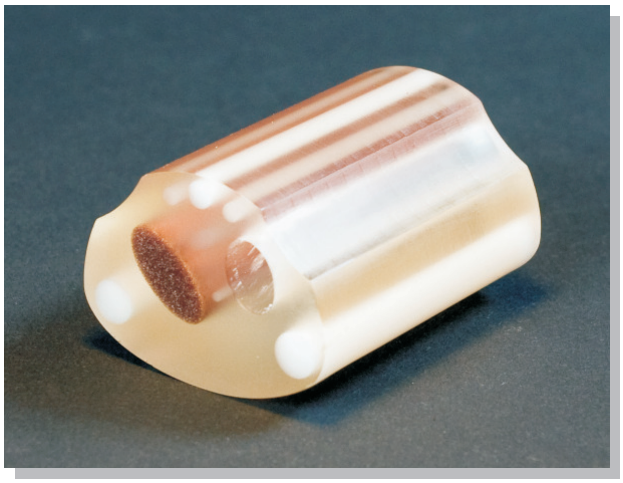
Available concentrations for Micro-CT:
0 - 1200 mg HA / ccm

*For simulation of bone without CaHA but providing realistic X-ray attenuation properties, a more cost-effective material is available as well. Please contact us for further information.*




*Choice of QRM-Bone samples*


*QRM-Bone in the Bone Calibration Phantom*



*Bone equivalent inserts in the QRM-MicroCT Mouse Phantom*

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