

CTiodine®

CTiodine® is a solid material replacing iodinated contrast-media in water or blood for x-ray imaging. It is available in any concentration of iodine or CT-numbers (HU) on request.

CTiodine® is a solid material and can be used in Computed Tomography (e.g. *Dual-Energy*) and other x-ray imaging modalities. CTiodine® is optimized for the diagnostic x-ray energy range from 70 - 150 kVp.

Enhanced contrast is a major issue in diagnostic imaging. CTiodine® provides equivalent properties to iodinated contrast media as used for contrast enhancement in diagnostic x-ray procedures.

It is produced using a base resin with molecularly linked iodine.

While the concentration of liquid contrast media is given in mg iodine /ccm, our solid contrast media based on CTWater® is given in the same fashion (mg iodine/ccm) but as a solid and easy to use material.

CTiodine® is available based on CTWater®, blood equivalent and standard resin.

For CTiodine® based on CTWater® or blood equivalent resin the CT-values are valid for the whole range from 70 to 150 kVp.

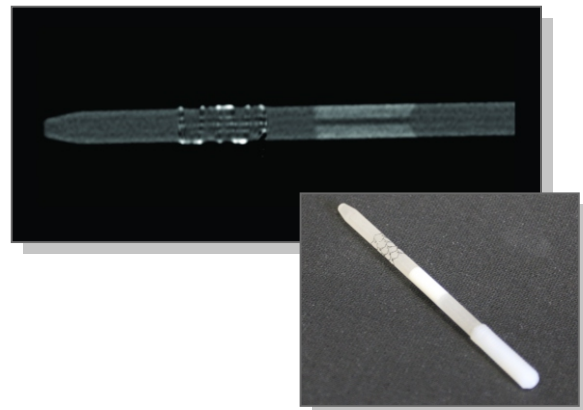
Specifications

Following base materials can be selected:

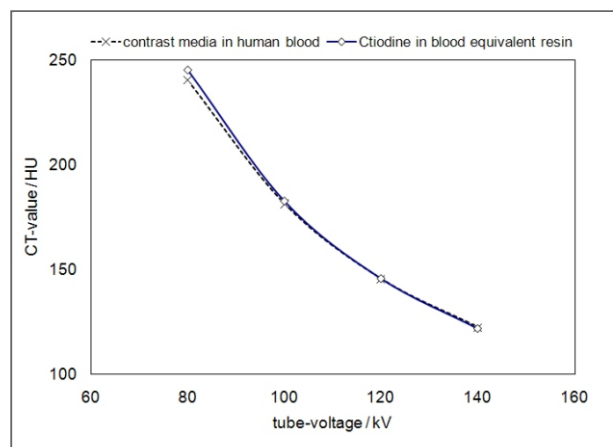
- CTWater®
- blood equivalent resin
- pure resin (tissue equivalent at 120 kVp)

Please contact us for desired size, shape and concentration.

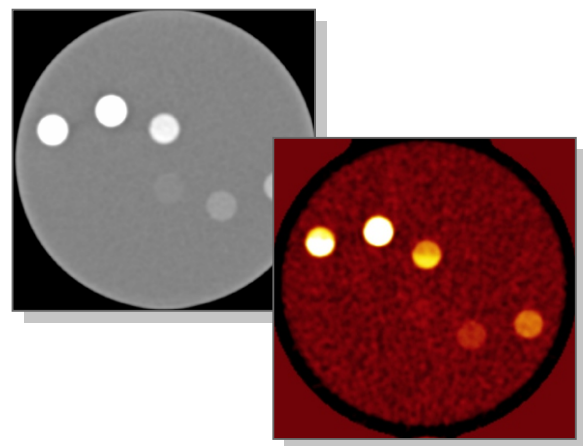
info@qrm.de



Example for a Stent-phantom based on CTiodine® and providing a stenosis (calcification).



CT-values for different tube-voltages of 10 mg iodine/ccm in human blood and in solid material.



CTiodine® inserts in a Dual-Energy phantom.