



## Data Sheet

# EASY WATER FAMILY

## Water equivalent phantoms for QA in RT

### Features

- Highly homogenous material
- Easy to handle
- Various extensions and accessories
- Certified medical device

### EASY SLAB

- The water equivalent EASY SLAB is a time efficient tool for frequently recurring QA measurements.
- The phantom is used in combination with radiation detectors like ionisation chambers and diode detectors.
- Corresponding adapter plates allow the detectors to be positioned as required for the QA task.
- EASY SLAB is available as 300 mm cube-shaped phantom or in a larger version as 400 × 400 × 300 mm cuboid.

### EASY CUBE

- EASY CUBE supports QA measurements in dosimetry and beyond in the field of radiation oncology. The phantom can be used in combination with irradiation detectors like ionization chambers, radiosensitive films and TLDs.
- The detectors are positioned inside the phantom with appropriate adapters which consist of the same material as the phantom.

## Technical data

<b>Material</b>	Water equivalent white polystyrene "RW3" for high-energy photon and electron energy
<b>Energy field</b>	Photons <sup>60</sup> Co–25 MV, electrons 4–23 MeV
<b>Material composition</b>	Polystyrene (C <sub>8</sub> H <sub>8</sub> ) with an admixture of 2.1 % ± 0.2 % TiO <sub>2</sub>
<b>Mass density</b>	1.045 g/cm <sup>3</sup>
<b>(Z/A)<sub>e</sub> value</b>	0.536
<b>Electron density</b>	3.386 × 10 <sup>23</sup> e/g
<b>Electron concentration</b>	3.539 × 10 <sup>23</sup> e/cm <sup>3</sup>
<b>Tolerance Specification</b>	0 HU ± 10 HU
<b>Approved</b>	A CE conformity assessment according to the European Medical Device Regulation MDR – (EU) 2017/745 was carried out successfully. The device is listed in the FDA Medical Devices Database and legally marketed in the USA.

## EASY SLAB

<b>Dimensions (L × W × H)</b>	300 × 300 × 300 mm or 400 × 400 × 300 mm (EASY SLAB phantom set large)	
<b>Scope of delivery</b>	<ul style="list-style-type: none"> <li>■ EASY SLAB set of plates:               <ul style="list-style-type: none"> <li>- 1 slab of 1 mm thickness</li> <li>- 2 slabs of 2 mm</li> <li>- 1 slab of 5 mm</li> <li>- 29 slabs of 10 mm</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>■ 1 EASY SLAB IC adapter plate*</li> <li>■ Transport and storage case</li> </ul>

\* EASY SLAB adapter plates for ionization chamber can be specified by the user, depending on the type of detector.

## EASY CUBE + extension modules

<b>Dimensions EASY CUBE (L × W × H)</b>	180 × 180 × 180 mm	
<b>Dimensions extension modules (L × W × H)</b>	<b>Cylinder module</b>	ø 320 × 180 mm
	<b>Head module</b>	ø 180 × 180 mm
	<b>Oval module</b>	360 × 180 × 180 mm
	<b>Body module</b>	360 × 335 × 180 mm
<b>Scope of delivery</b>	<ul style="list-style-type: none"> <li>■ EASY CUBE</li> <li>■ EASY CUBE set of plates</li> <li>■ 1 EASY CUBE IC adapter bar**</li> <li>■ Set of distance bars and spacers</li> <li>■ Leveling plate small</li> <li>■ Transport and storage case</li> </ul>	

\*\* EASY CUBE adapter bar for ionisation chamber can be specified by the user, depending on the type of detector.

### Extension modules

Optional modules available.  
Find out more:



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