



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

Material Water equivalent white polystyrene "RW3" for high-energy photon and electron energy

Energy field Photons ^{60}Co -25 MV, electrons 4-23 MeV

Material composition Polystyrene (C_8H_8) with an admixture of $2.1\% \pm 0.2\% \text{TiO}_2$

Mass density 1.045 g/cm^3

(Z/A)_e value 0.536

Electron density $3.386 \times 10^{23} \text{ e/g}$

Electron concentration $3.539 \times 10^{23} \text{ e/cm}^3$

Tolerance Specification $0 \text{ HU} \pm 10 \text{ HU}$

Approved 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

Dimensions (L × W × H) $300 \times 300 \times 300 \text{ mm}$ or $400 \times 400 \times 300 \text{ mm}$ (EASY SLAB phantom set large)

Scope of delivery

- EASY SLAB set of plates:
 - 1 slab of 1 mm thickness
 - 2 slabs of 2 mm
 - 1 slab of 5 mm
 - 29 slabs of 10 mm
- 1 EASY SLAB IC adapter plate*
- Transport and storage case

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

EASY CUBE + extension modules

Dimensions EASY CUBE (L × W × H) $180 \times 180 \times 180 \text{ mm}$

Dimensions extension modules (L × W × H)	Cylinder module	$\varnothing 320 \times 180 \text{ mm}$
	Head module	$\varnothing 180 \times 180 \text{ mm}$
	Oval module	$360 \times 180 \times 180 \text{ mm}$
	Body module	$360 \times 335 \times 180 \text{ mm}$

Scope of delivery

- EASY CUBE
- EASY CUBE set of plates
- 1 EASY CUBE IC adapter bar**
- Set of distance bars and spacers
- Leveling plate small
- Transport and storage case

** 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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