EN

EASY SLAB

Water equivalent phantom
for QA in RT

Simply
Precise

In combination with
RadCalc 3D EPID Dosimetry

Attenuation material for EPID measurements

Using EASY SLAB phantom setups for producing in-vivo deconvolution EPID kernels for RadCalc's in-vivo EPID dosimetry package speeds up the process over water tank setups. With submillimetre precision production, EASY SLAB provides an easy and accurate way to collect EPID images with water equivalent absorber material.

The combination of 300 × 300mm and 400 × 400mm EASY SLAB plates can account for beam divergence for absorber thicknesses of up to 60 cm while reducing the weight on the treatment table.

EASY SLAB

SLAB phantom for frequent standard dosimetry

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 ionization chambers and diode detectors. Corresponding adapter plates allow the detectors to be positioned as required for the QA task.

QA of high-energy photons and electrons on LINACS

- Measurements with a homogeneous, standardised phantom from water equivalent RW3 material.
- Measurements with radiation detectors from all well-known vendors by use of optional adapter plates.
- Measurement of frequently repeated absolute dosimetry QA tasks, water equivalent attenuation material for RadCalc's EPID deconvolution kernel measurements.
- Measurement of dose distribution computed by the treatment planning system for simple or complex intensity modulated plans.

- EASY SLAB is available as a cube-shaped phantom with an edge length of 300 mm or in a larger version of 400 mm and a maximum heigth of 300 mm.
- Detectors can be positioned in various measuring depths in steps of 1 mm using dedicated detector adapter plates.
- For each of the two phantom sizes, a variety of different plates are available: 1 slab of 1 mm, 2 slabs of 2 mm, 1 slab of 5 mm and 29 slabs of 10 mm thickness.
- EASY SLAB will be supplied with a transport and storage case.

Reliable

Highly homogeneous RW3 material has been developed for high-energy photon- and electron radiation. This therefore ensures reliable measurement in any position – and obviously, also in the case of repeat measurements.

Flexible

EASY SLAB offers a variety of positioning options by the plates themselves, and the vast range of adapter plates for detectors. It is flexible enough to adapt to the required measurement. Two phantom sizes supplement the options.

Simple

Carry out routine tasks not just reliably, but quickly thanks to the simple and convenient handling. The phantom is supplied in a coffer case for easy transport and storage.

Accessories

EASY SLAB Phantom set

Can be combined to a block phantom with a base of 300 × 300 mm and a maximum height of 300 mm.

Scope of delivery

- EASY SLAB set of plates – each plate is 300 × 300 mm with different thickness:
  - 1 slab of 1 mm
  - 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 Phantom set large

Can be combined to a block phantom with a base of 400 × 400 mm and a maximum height of 300 mm.

Scope of delivery

- EASY SLAB set of plates – each plate is 400 × 400 mm with different thickness:
  - 1 slab of 1 mm
  - 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 ionisation chamber can be specified by the user, depending on the type of detector.

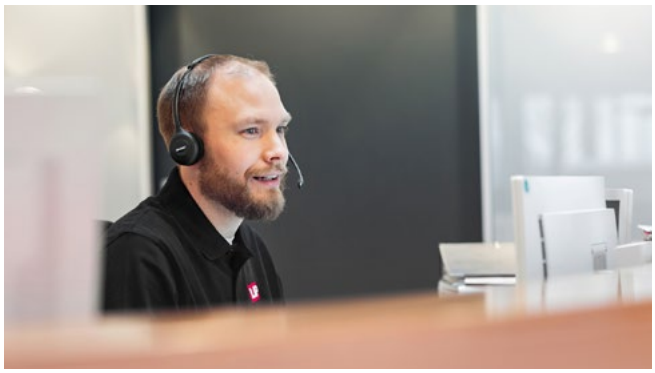
About us

LAP is one of the world's leading suppliers of systems that increase quality and efficiency through laser projection, laser measurement, and other processes. Every year, LAP supplies 15,000 units to customers in industries as diverse as radiation therapy, steel production, and composite processing. LAP employs 300 people at locations in Europe, America, and Asia.

90+
Partners

300
Employees

8
Locations



Quality

We work to uniform standards and with certified processes. For us, "Made in Germany" means the highest precision in manufacturing and quality inspection of each device. For our customers, this means planning and process certainty.

All our worldwide locations use a quality management system according to EN ISO 13485 or EN ISO 9001. Our products have all the necessary approvals and registrations almost everywhere in the world.

Service

We ensure the maximum availability of your equipment so you can concentrate on your core process. Wherever you need us, our certified service technicians are quickly on site in any time zone. We support you from installation and commissioning, through user training, up to maintenance, repair, or unit replacement.

Our efficient logistics ensure the fast availability of spare parts worldwide. For technical questions and support, our helpdesk is at your disposal by telephone, via e-mail, or remote diagnosis.

made in Germany

Contact us!
info@lap-laser.com

Contact us!

P +49 4131 95 11-95
E info@lap-laser.com
LAP Laser
laplaser

LAP GmbH Laser Applikationen
Zeppelinstr. 23
21337 Lüneburg
Germany

LAP GmbH Laser Applikationen, Germany / LAP Measurement Technology GmbH, Germany / LAP Sued GmbH, Germany LAP FRANCE SAS, France / LAP Laser Applications Asia Pacific Pte. Ltd., Singapore / LAP Laser Applications China Co. Ltd., China LAP of America Laser Applications, L.L.C., USA / LifeLine Software, Inc., USA / Our worldwide partners: Argentina / Australia / Brazil / Bulgaria Canada / Chile / Colombia / Croatia / Czech Republic / Dominican Republic / Egypt / Finland / Greece / Hungary / India / Indonesia / Italy / Japan Jordan / Kuwait / Latvia / Lebanon / Lithuania / Malaysia / Mali / Malta / Mexico / Netherlands / Norway / Oman / Philippines / Poland / Portugal / Qatar Romania / Saudi Arabia / Slovakia / Slovenia / South Africa / South Korea / Spain / Sweden / Switzerland / Taiwan, China / Thailand / Turkey United Arab Emirates / United Kingdom / Venezuela / Vietnam / Zambia

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