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OCT multipurpose resolution positive test target

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General

Type:

Multipurpose Phantom

Physical & Mechanical Properties

Dimensions (mm):

20 x 20 x 3

Material Properties

Reduced Scattering Coefficient, μs':

10

Absorption Coefficient, μ_a:

0. 2

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- Point Spread, Multilayer, Pyramid, and Multipurpose Phantoms Available
- Positive and Negative Target Options
- Ideal for Calibration of OCT Devices

Optical Coherence Tomography (OCT) Phantoms provide a controlled sample to test and calibrate OCT systems, ensuring accuracy and reliability of measurements. These homogeneous phantoms with well characterized optical properties, are available in Point Spread, Multilayer, Pyramid, and Multipurpose designs, offering a range of OCT calibration options. Additionally, these phantoms enable validation of image processing algorithms and quality assurance protocols providing consistency in clinical and research settings. Optical Coherence Tomography (OCT) Phantoms are ideal for testing 3D spatial depth resolution of OCT imaging devices as well as testing image processing software and algorithms

Frequently Asked Questions for Optical Phantoms

This downloadable PDF includes in depth answers to commonly asked questions on our selection of Optical Phantoms. Inside, you'll find:

- What phantom should I choose for my application?
- What optical properties should I keep in mind when choosing a phantom?
- How are the optical properties of my phantom measured and determined?
- And more!

Download Optical Phantom FAQs

- Point Spread: 3D distribution of <1µm FeO nanoparticles encased in polymer.
- Multilayer: Multilayers of 50µm thickness, mimicking a tissue with known optical properties.
- Pyramid: Pyramid shape with 40um steps and 50um step depth, available as positive or negative.
- Multipurpose: USAF, alignment crosswire, aperture, point spread function, and an annotated Ronchi ruler targets.

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