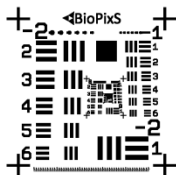


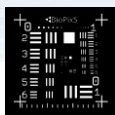
BioPixS imaging test target phantoms offer a wide range of targets embedded in optical tissue-mimicking phantoms. These targets are used to calibrate and assess the performance of Biophotonics imaging systems, including diffuse reflectance, fluorescence, Raman, and specular imaging systems.



Diffuse reflectance test targets: Classical test targets are embedded in the phantom material, covering a broader range of optical properties and providing unique features for testing the resolution, calibration, and distortion of diffuse optical imaging systems. Applications include spatial frequency domain imaging, hyperspectral imaging, and imaging through scattering media.



Fluorescence test target: Classical test targets are embedded in fluorescence phantom material, covering a wider range of fluorophores and optical properties that mimic human tissue. Typical applications include multimodal microscopy, FLIM, and surgical guidance system.



Raman test target: Classical test targets are embedded in Raman phantom material, covering Raman features and optical properties that mimic human tissue. Typical applications include multimodal Raman microscopy and Raman imaging.



Specular imaging test targets: These classical test targets can be used to perform various tests (resolution, distortion, calibration) on imaging systems such as microscopes and endoscopes.

Target types: Multipurpose test target, USAF resolution group 2 to 8, Ronchi ruling, alignment markers, point spread function, grid targets, and more.

Optical properties: MEDPHOT optical properties (μ_{a} : 0.05 - 0.3 cm^{-1} , μ_{s}' : 4-20 cm^{-1}).

Fluorescence material: ICG-mimicking, general fluorescence contrast agents in the vis-NIR region. Visit the website for excitation and emission spectra.

Raman material: Silicon, PDMS (silicone), epoxy.

Lead time: readily available

For more specification, visit our products page <https://biopixstandards.com/products/imaging-test-targets/>

For more customization arrange call with our engineers at info@biopixstandards.com

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UCNP fluorescence DCS
microscope Raman endoscope

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