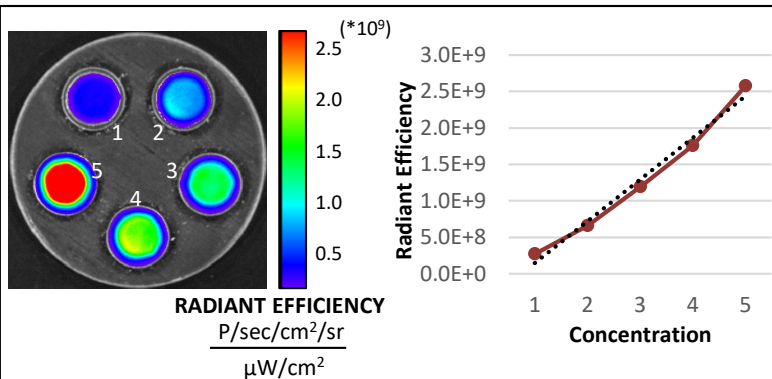


# Phantech

Our fluorescence/luminescence linearity phantoms offer a standardized method to assess the linearity of your optical system. Our fluorescence/luminescence phantoms are made of solid, stable and homogeneous light emitting materials which are linearly absorbed by well-characterized optical density filters, creating a linear response of light transmission as a function of concentration. These phantoms can be manufactured in 1 of 4 different proprietary fluorescent materials (spectra shown under "options"), covering the range of the visible spectrum and all commonly used fluorescent probes. Additionally, all 4 materials emit phosphorescence light which can be detected using standard luminescence protocols. Please contact us today with questions about options and pricing!



Linearity fluorescence/luminescence phantom with well-characterized optical density filters installed (left) creating a linear response of light transmission as a function of concentration. The graph on the right illustrates how our solid and stable fluorescent materials, coupled with optical density filters whose transmission data are well-characterized, enable a standardized and accurate method to assess system linearity. More specifically, our stable materials allow the comparison of the linearity of one or more systems over time. Images were acquired on a Perkin Elmer IVIS Spectrum with our "Red" material, but the phantoms are compatible with many optical imaging systems, including image-guided NIR intraoperative systems.

## FLUORESCENCE/LUMINESCENCE LINEARITY PHANTOMS

### APPLICATIONS

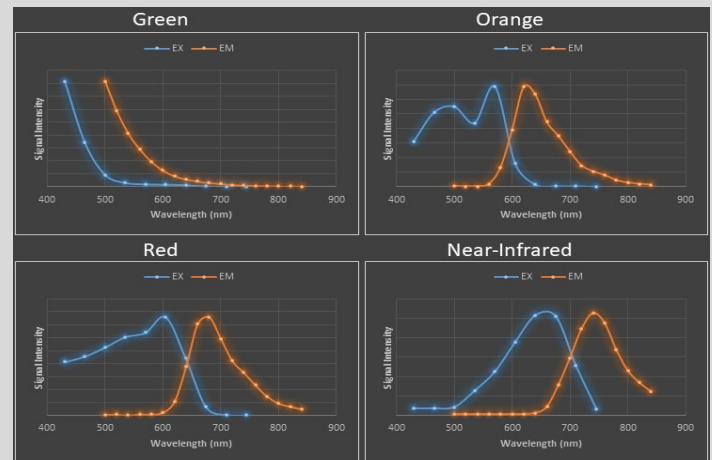
- ✓ FL, BLI, & NIR imaging system QC
- ✓ Linearity assessment
- ✓ System performance evaluation
- ✓ Quality Assurance

### FEATURES

- ✓ Stable & quantifiable signal
- ✓ 5 fluorescent/luminescent discs and characterized optical density filters
- ✓ Compatible with all *in vivo* optical systems
- ✓ Standardized

### OPTIONS

- ✓ Available in 1 of 4 different fluorescent materials shown below



- ✓ 12.7 or 25mm diameter discs
- ✓ Automated analysis software

INNOVATIVE HARDWARE AND SOFTWARE FOR MEDICAL IMAGING

For more information, including pricing, contact us today at:

Email: [info@phantechmedical.com](mailto:info@phantechmedical.com)

Web: [www.phantechmedical.com](http://www.phantechmedical.com)

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