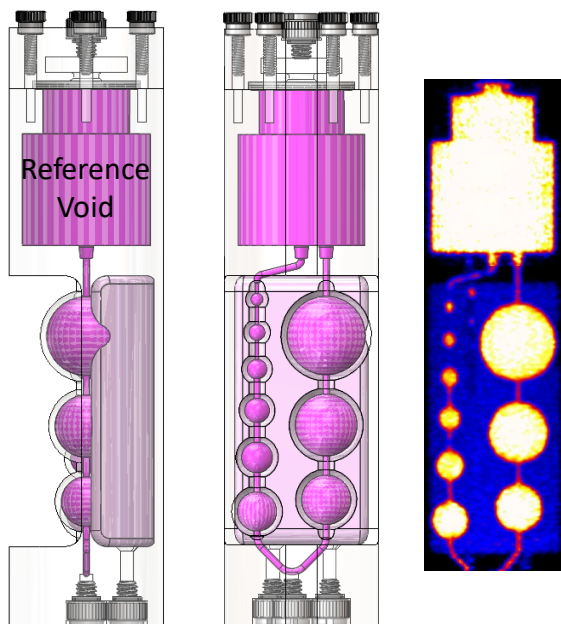


Phantech

Our partial volume correction (PVC) phantom offers a standardized recovery coefficient (RC)-based partial volume correction method for partial volume effects in nuclear medicine. Designed with one continuous channel composed of numerous precise spherical void volumes, it allows for the simplified creation of a RC calibration curve with more measurement points than any other PVC phantom available. Please contact us today with questions about options and pricing!



CAD renderings (left, middle) of the PVC phantom illustrating the single channel connecting the normalizing reference void to the series of different sized spheres with precise volumes. The PVC phantom includes either a half sleeve (shown above) or full sleeve that can be filled with a warm radioactive concentration to model background spill-in signal for each sphere. PET maximum intensity projection (MIP) image (right) of the PVC spheres filled using a single syringe containing a homogenous concentration of ^{18}F , and the background void filled with a 5x diluted concentration.

PARTIAL VOLUME CORRECTION (PVC) PHANTOMS

APPLICATIONS

- ✓ Nuclear medicine (PET & SPECT) partial volume correction
- ✓ Theranostics
- ✓ System performance evaluation
- ✓ Clinical & preclinical use
- ✓ Research

FEATURES

- ✓ Quick & easy to load & unload
- ✓ Minimal bubbles
- ✓ MRI & CT compatible
- ✓ Standardized

OPTIONS

- ✓ Half, Full or No sleeve for warm void
- ✓ Ellipsoids with aspect ratios of 1:2 and 2:3 to generate 3D RC curve
- ✓ Microspheres channel
- ✓ Automated analysis software

INNOVATIVE HARDWARE AND SOFTWARE FOR MEDICAL IMAGING

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

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Web: www.phantechmedical.com

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