

Micro Hollow Sphere Phantom™

Model ECT/HS/MMP

Main Features

- Fillable Spheres
- Threaded for rapid mounting

Main Applications

- Small animal system evaluation (with field-of-view greater than 45 mm)
- Evaluation of ultra-high resolution ECT systems (less than or equal to 3 mm FWHM)
- Simulates small hot or cold spherical “lesions”
- Quantitative evaluation of spatial resolution/small object size effects
- Evaluation of quantitative ECT reconstruction methods
- Spatial resolution measurements
- Research

Specifications

All clear material: PMMA

Cylinder outside diameter: ~ 51 mm

Cylinder inside diameter: ~ 40 mm

Cylinder inside height: ~ 82 mm

Cylinder outside height: ~ 114 mm

Volume of empty cylinder: ~ 408 mm

Lid has 5 places to position micro hollow spheres:

1 position is centered; other 4 are spaced evenly around the center at a distance of 12.7 mm

Distance from sphere center to mounting surface:

~ 53 mm from lid within cylinder

Support Rods are solid PVC ~ 3mm diameter

Length: 38 mm

Hollow spheres:

Outer diameter: ~ 6 mm, ~ 7 mm, ~ 8 mm,

~ 10 mm Volume of Spheres: ~ 31 μ L, ~ 63 μ L,

~ 125 μ L, and ~ 250 μ L

Shipping

Carton: 10" x 8" x 4"

Weight: 3lbs.



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