

Mini Defrise Phantom™

Model ECT/DEF/MP

Mini Defrise Insert™

Model ECT/DEF-MP/I

Main Applications

- Small animal system evaluation (with field-of-view greater than 77 mm)
- Evaluation of ultra-high resolution ECT systems (less than or equal to 3 mm FWHM)
- Evaluation of slice profile uniformity along longitudinal axis of an ECT system
- Evaluation of ultra-high resolution, fan-beam, cone-beam and pinhole collimation
- Research

Specifications

All clear material: PMMA

Cylinder outer diameter: ~ 83 mm

Cylinder inside diameter: ~ 76 mm

Cylinder inner height: ~ 57 mm

Disk diameter: ~ 75 mm

Disk thickness: ~ 4.3 mm

Gap thickness: ~ 4.3 mm

Shipping

Carton: 10" x 8" x 4"

Weight: 3lbs.



Mini Defrise Phantom™



Components of Mini Defrise Phantom™

Micro Defrise Phantom™

Model ECT/DEF/MMP

Micro Defrise Insert™

Model ECT/DEF-MMP/I

Main Applications

- Very 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)
- Evaluation of slice profile uniformity, along longitudinal axis of an ECT system
- Evaluation of ultra-high resolution, fan-beam, cone-beam and pinhole collimation
- Research

Specifications

All clear material: PMMA
Cylinder outer diameter: ~ 51 mm
Cylinder inside diameter: ~ 45 mm
Cylinder inner height: ~ 36 mm
Disk diameter: ~ 43 mm
Disk thickness: ~ 4.3 mm
Gap thickness: ~ 4.3 mm

Shipping

Carton: 10" x 8" x 4"
Weight: 3lbs.



Micro Defrise Phantom™



Components of Micro Defrise Phantom™

Ultra-Micro Defrise Phantom™

Model ECT/DEF/UMMP

Insert Only: Model ECT/DEF-UMMP/I

Main Applications

- Very small animal system evaluation (with a field-of-view greater than 76 mm)
- Evaluation of ultra-high resolution ECT systems (less than or equal to 76 mm FWHM)
- Evaluation of slice profile uniformity, along longitudinal axis of an ECT system
- Evaluation of ultra-high resolution, fan-beam, cone-beam and pinhole collimation
- Research

Specifications

All clear material: PMMA

Cylinder overall outside diameter: ~ 35 mm

Cylinder inside diameter: ~ 28 mm

Cylinder inside height: ~ 28 mm

Cylinder outside height: ~ 55 mm

Diameter of Insert: ~ 27 mm

Inside height of channel area: ~ 9.9 mm

Diameter of hollow channels: .75, 1.0, 1.35,
1.7, 2.0, and 2.4 mm

Center-to-center spacing of channels:
Two times the diameter

Specifications for Defrise Insert

Disk diameter: ~ 27 mm

Disk thickness: ~ 1.62 mm

Gap thickness: ~ 1.62 mm

Number of solid disks: 8

Volume with insert in place: ~ 9 mL

Shipping

Carton: 10" x 8" x 4"

Weight: 3lbs.



Ultra-Micro Defrise Phantom™



Components of Ultra-Micro Defrise Phantom™