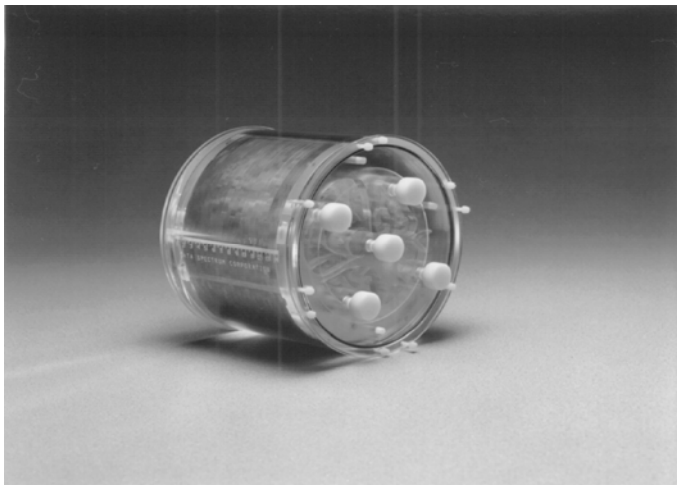
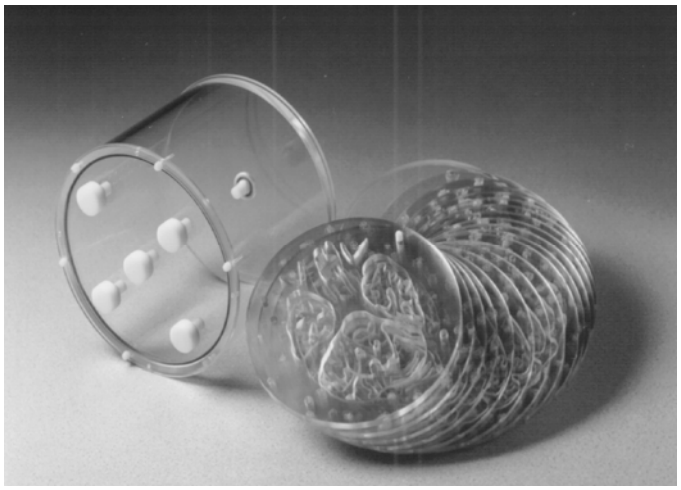
Hoffman 3-D Brain Phantom™



Hoffman 3-D Brain Phantom™



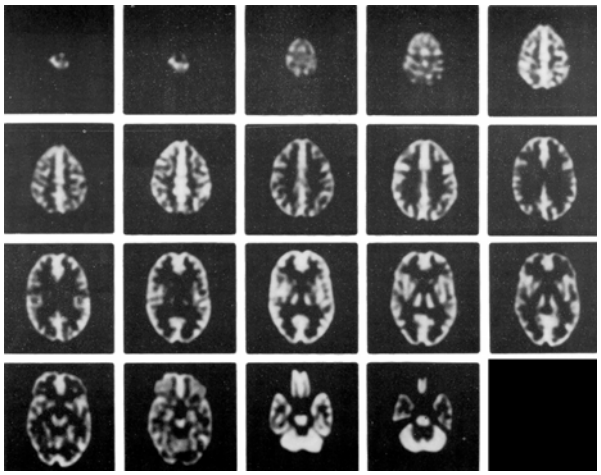
Cylinder and 3-D Brain Insert™

Hoffman 3-D Brain Phantom™
Model BR/3D/P

Main Features:
- Anatomically accurate simulation of radioactivity distribution for brain SPECT and brain PET studies* and distribution of proton density and relaxation parameters for brain MRI studies
- Simulates 4:1 uptake ratio (by partial volume effect) seen for normal gray and white matter in flow and metabolic studies
- Single fillable chamber eliminates the necessity of preparing different concentrations of radioactivity
- Fillable and solid defects for basil ganglia region available

Main Applications:
- Evaluation of acquisition and reconstruction methods for brain ECT studies
- Evaluation of 3-D reconstruction methods
- Evaluation of 3-D attenuation and scatter compensation methods
- Evaluation of 3-D SPECT, PET and MRI registration techniques
- Research

Specifications:
Cylinder inside diameter: 20.8 cm
Cylinder inside height: 17.5 cm
Fillable volume: ~ 1.2 liter



SPECT Images

3D Brain Phantom Solid Defects Set (2)
Model BR/3D-SOL/SET2

- **Hot and cold defects can be located in the basil ganglia region**
- **Allows user to determine image shape of the defect**

* Hoffman EJ, Cutler PD, Digby WM and Mazziotta JC. 3-D phantom to simulate cerebral blood flow and metabolic images for PET, IEEE Trans Nucl Sci 37:616-620, 1990.Mini and Micro Defrise Phantom™

深圳为尔康科技有限公司 联系人：曾祥满 手机：13632925349
QQ：274798107 电话：0755- 28896837 地址：深圳市龙岗区沙平北路111号608A
网址：www.medicalQC.com 邮箱：szchina1718@163.com