

# PET Emission Phantom acc CEC Project



## *Body-mimicking emission phantom for realistic quality control of PET scanners acc CEC Concerted Action Project*

### Features

- ▶ Simulates realistic conditions by utilizing body-shaped acrylic vessels
- ▶ Includes covers with various inserts
- ▶ Inserts can be filled and emptied from outside
- ▶ Complies with the European PET Instrumentation Program

The PET emission phantom L981602 was published by a task group of the Commission of the European Community (CEC Concerted Action Project). The phantom has been developed in line with the philosophy that assessment of a clinical measuring system should always be made under the most realistic conditions possible to imitate the patient's influence as an absorbing and scattering medium. One of the circular covers with different inserts may be mounted to the head phantom H or to the body phantom B, with a water tight seal in all cases. The possibility of filling and emptying the inserts and phantom from outside is one of the main advantages of this phantom.

The package includes:

- ▷ Body phantom B with two arms attached
- ▷ Head phantom H
- ▷ Cover D with three cylinders, each 50 mm in diameter for different absorbing material
- ▷ Cover E with six spheres of 10 mm, 13 mm, 17 mm, 22 mm, 28 mm and 37 mm inner active diameter
- ▷ Blind cover G without inserts,
- ▷ Cover M with point, line and scatter sources
- ▷ Cover R with a rod source of 21 mm inner diameter
- ▷ Heart phantom C
- ▷ Carrying and storage case

### Ordering Information

L981602 PET emission phantom,  
complete set acc CEC project

### Option

T43004.1.012 Lung equivalent insert