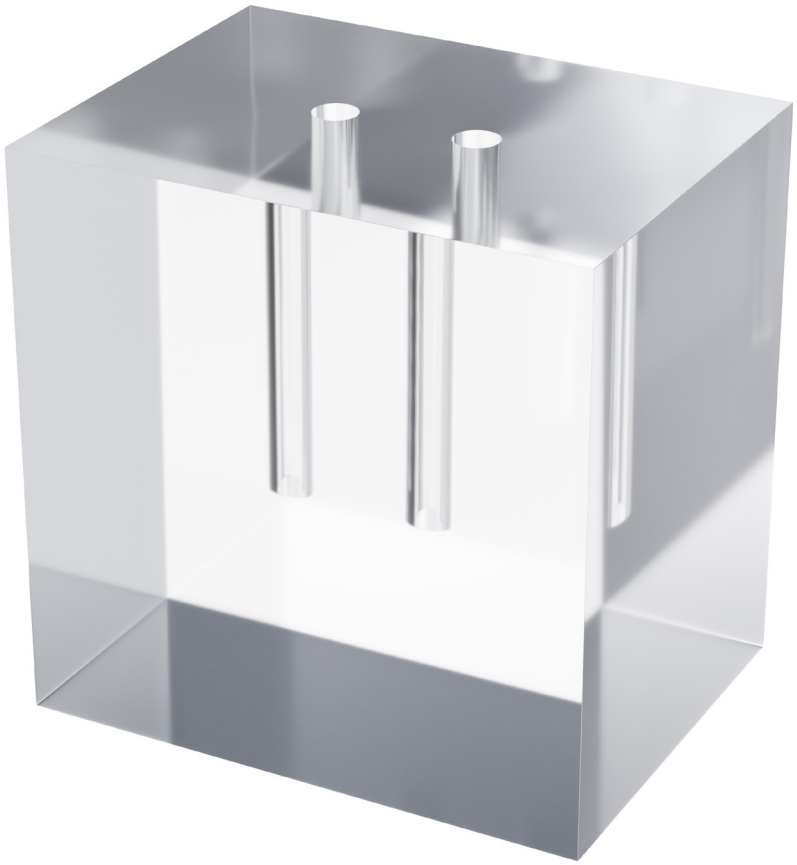
Pro-NM DualSource

08-601



This scatter phantom simulates in-vivo forward and backscatter characteristics of 99mTc gamma rays for the extrinsic measurement of a scintillation camera's deadtime. The phantom produces a spectrum typical of that observed from 99mTc in the myocardium. Reference: Ralph Adams, Gerald J. Hine, and C. Duane Zimmerman, "Deadtime Measurements in Scintillation Cameras Under Scatter Conditions Simulating Quantitative Nuclear Cardiography," The Journal of Nuclear Medicine, 19 (1978), 538-544.

Technical data (can be modified to customer specifications):

- made of PMMA
- dimensions: 150 x 200 x 200 mm
- the two holes are used to hold the radioactive sources
  - hole dimensions: Ø 17 mm x 120 mm deep
  - spaced 50 mm apart (center-to-center)
  - distance from the face of the phantom: 50 mm

Product features:

- complies with:
  - NEMA Standards Publication (NU 1-2001) Performance Measurements of Scintillation Cameras
  - NEMA Standards Publication (NU-1 2007) Gamma Cameras
  - AAPM Report No. 9 - Computer Aided Scintillation Camera Acceptance Testing
  - AAPM Report No. 22 - Rotating Scintillation Camera SPECT Acceptance Testing and Quality Control
  - ACR–SNM (Res. 5 – 2011) technical standard for diagnostic procedures using radiopharmaceuticals
- CE certified
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration