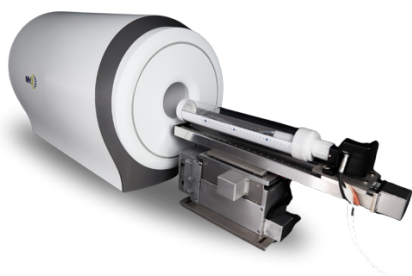


Alpha SPECT Mini®

Ultra-sensitive 3D SPECT scanner with unparalleled energy resolution for all SPECT isotope imaging applications



Alpha SPECT Mini
High-performance SPECT imaging

Specifications

	Standard Mode	High Resolution Mode
Field of View (W x L)	60mm x 80mm	40mm x 60mm
Spatial Resolution @ 140keV	≤ 2.5 mm	≤ 1.5 mm
Energy Resolution @ 140 KeV (FWHM)	3-4 KeV	
Sensitivity	4200 cps/MBq	600 cps/MBq
Detectors	CZT	
Bore Size	12cm	
Animal Handling Features	Comprehensive physiological monitoring Heated bed Single (mouse/rat) and multi-mouse imaging Anesthesia delivery/scavenging	
Reconstruction Algorithms	MLEM with/without noise term	

Key Features

- **Imaging of theranostic isotopes:** ex. 225Ac, 177Lu, 223Ra (including all SPECT isotopes between 30keV-500keV)
- **Image/quantify 225Ac and the daughter nuclides** (221Fr, 213Bi, 209Tl) simultaneously and individually from a single scan
- **Perfect for multi-isotope imaging** due to unparalleled energy resolution and list-mode data acquisition
- **CZT detectors represent best on the market**, combined with two interchangeable pinhole collimators to maximize the strength of the high-resolution detectors allowing unmatched energy resolution designed for previously difficult to image isotopes
- **Dynamic imaging capabilities** for imaging studies down to time intervals of seconds
- **Ultra-wide stationary FOV** (field of view) design for comprehensive whole-body dynamic studies of small animals
- **Ideally suited for biodistribution studies** and fully optimized for imaging studies of all SPECT isotopes. The fully stationary detector design coupled to a dual-FOV micro-scanning aperture enables optimized imaging resolution and ultrahigh sensitivity for a wide range of imaging applications.