

Notice Type: Sources Sought

This is a SPECIAL NOTICE ANNOUNCEMENT ONLY. The Department of Veteran Affairs (VA), VISN 8 Network Contracting Office for the Malcom Randall VA Medical Center, 1601 S.W. Archer Road Gainesville, Florida 32608 is seeking potential sources for research and information purposes only. The Government will not entertain quotes and no award will be made from this special notice

Place of Performance:

Department of Veterans Affairs
Malcom Randall VA Medical Center
1601 S.W. Archer Road
Gainesville, FL 32608

Purpose and Objectives:

The intent of this Special Notice is to identify potential sources that supply/provide the specified description of Rodent Imaging System supplies/services listed below in the statement of need:

Statement of Need:

Technical Specifications:

Equipment must be compatible with existing MR Solutions cryogen-free MRI

Must allow for sequential PET/MR

Must fit small to large bore MR

Must be able to plug and play

High Pet Resolution: 0.7mm

Must have high sensitivity

Must be able to use for mouse to whole body rat imaging

Equipment must come with Motorized bed

MR Bore Compatibility	≥ 17 cm
Magnet strength:	up to 9.4T
Removable from MR	Yes
Detector Ring Design	Stationary

Inner Diameter	120,0
Transaxial. FOV (mm)	80,0
Axial FOV (mm)	50,40
aFOV (mm) with motorized bed	300,00
Crystal Material	LYSO/LYSO
Crystal Pitch (mm)	1,68
Crystal Dimension (mm)	1.605 x 1.605
Crystal Thickness (mm)	10 (4 top, 6 bottom)
# of Modules	8
Total # of Crystals	13 928
PMT	Silicon PM
Spatial Resolution with 3D OSEM (mm)	0,7
Spatial Resolution with FBP (mm)	1.4
Depth of Interaction	Yes – True DOI
DOI: Base on hardware configuration (Not on Monte-Carlo simulation)	Yes, dual layer of crystals with ½ pixel offset between
Reconstruction Algorithms	FBP, 2D-OSEM, 3D-OSEM
3-D Corrections Applied	Attenuation correction, Random, Scatter, Dead Time, Decay, Positron Range, Normalization, Quantification, Energy Calibration, Energy Discrimination
Absolute Sensitivity	4,56%
Energy Resolution	13,10%
NEC mouse phantom @ peak	170 Kcps
NEC mouse phantom @ 3.7MBq	51 Kcps
NEC rat phantom @ peak	42 Kcps

NEC rat phantom @ 10 MBq	29 Kcps
Timing Resolution (FWHM, ns)	1 ns
Uniformity	6%
Spill Over Ratio (Air)	9.2%
Spill Over Ratio (Water)	7.5%
Attenuation Correction	MR AC
Gating (PET)	Cardiac + Respiratory
List Mode Acquisition	Yes
Weight	15kg

Responses must be emailed to:

Please list your socioeconomic category in your response.

POC: Scott Brickey
 Scott.Brickey@va.gov

Alternate POC: Robert Bish
 Robert.bish@va.gov

Contracting Office Address:

Department of Veterans Affairs
 VHA Regional Procurement Office (RPO) - East
 Network Contracting Office (NCO) 8
 300 East University Ave
 Gainesville, FL 32601

Point of Contact:

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 Contracting Officer