

February 24, 2014

U.S. Nuclear Regulatory Commission, Region III  
Materials Licensing Branch  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4351

Amendment to Increase License Possession Limits – License No. 21-32816-01

Dear Ms. Forster:

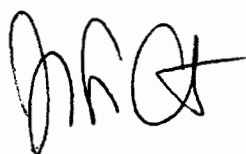
Molecular Imaging would like to increase our possession limits for the following isotopes:

Isotope	Old Possession Limit	Requested Possession Limit	Form	Use
F-18	120 mCi	240 mCi	Solution	PET imaging
In-111	50 mCi	100 mCi	Any	SPECT imaging

Please note that lead shielding for radiation is already in use for other approved PET and SPECT isotopes. Lead-shielded L-blocks are also used for dose preparation, animal manipulations, etc. Established exposure monitoring will be followed (whole body and ring dosimeters) and a radiation survey of the usage areas and equipment will be conducted after every usage of the above isotopes using existing procedures and documented. Waste will be managed primarily through decay-in-storage. Any radioactive waste that is shipped off site will be managed and disposed of by a licensed broker.

Licensed materials will only be used by, or under the supervision of, John L. Chunta, Ph.D., Deanne Lister, and/or Patrick McConville, Ph.D. Please contact me at (734) 926-4194 if you require any additional information.

Thank you,



John L. Chunta, Ph.D.  
Radiation Safety Officer (RSO)  
734.926.4194  
[ichunta@molecularimaging.com](mailto:ichunta@molecularimaging.com)

**Forster, Sara**

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**From:** John Chunta <jchunta@molecularimaging.com>  
**Sent:** Wednesday, March 05, 2014 3:14 PM  
**To:** Forster, Sara  
**Subject:** NRC License Amendment  
**Attachments:** NRC - 10th Amendment to Molecular Imaging, Inc. NRC license - Increase in F-18 In-111 Possession limits.pdf

Good Afternoon Sara:

Attached is a signed PDF of a license amendment to increase our possession limits for F-18 and In-111 for our continued small animal preclinical imaging needs.

Please let me know if you have any questions.

Cheers!

J

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**John L. Chunta, PhD**

Senior Scientist - Imaging Operations  
Corporate Radiation Safety Officer



Molecular Imaging, Inc.  
Main: 734-821-1063 Direct: 734-926-4194  
800 Technology Drive - Ann Arbor, MI 48108  
[www.molecularimaging.com](http://www.molecularimaging.com)

Molecular Imaging, Inc. has added PDX models to its extensive list of services. <http://www.molecularimaging.com/molecular-imaging-inc-and-oncotest-gmbh-bring-power-vivo-imaging-patient-derived-tumor-xenografts>

Molecular Imaging, Inc. to manage a state-of-the-art imaging facility of the Sanford Consortium for Regenerative Medicine. <http://www.molecularimaging.com/molecular-imaging-inc-launches-new-state-art-imaging-center-sanford-consortium-regenerative-medicine>