



IMMEDIATE RELEASE

Spectrum Dynamics Announces Shipment of Revolutionary D-SPECT™ Cardiac Imaging Systems Using Redlen's New CZT Nuclear Imaging Modules

Orangeburg, New York and Victoria, BC April 04, 2011– Spectrum Dynamics LTD announced today it has shipped and installed the second D-SPECT system using Cadmium Zinc Telluride (CZT) nuclear imaging modules from a new supplier, Redlen Technologies Inc. This announcement marks the commercial release of Redlen's first integrated CZT nuclear imaging detector product which is designed to enable a new generation of high resolution, low dose nuclear medicine cameras.

"This is a very important milestone for Spectrum," said Jim Haisler, CEO of Spectrum Dynamics. Having a new supplier of CZT imaging detectors in the industry is critical as it will allow us to ramp up the distribution of D-SPECT systems worldwide. Spectrum and Redlen are currently in the process of completing a long term supply agreement. Our success with Redlen is due to the close working relationship both engineering teams had during the development and integration of the new CZT imaging modules and our co-development of the detector electronics," Haisler added.

"The opportunity for our team to work closely with the nuclear imaging industry's leading innovator was a huge benefit for us to ensure our first CZT imaging module product hit the mark," said Glenn Bindley, president and CEO of Redlen. "We believe the D-SPECT cardiology camera is just the first step in the industry's transition from legacy scintillation imaging to high resolution, low dose direct conversion solid state imaging. We anticipate our continued close collaboration with Spectrum on imaging module development to drive new industry performance benchmarks."

"The unique D-SPECT design incorporates nine rotating columns of CZT detectors that are able to focus on specific anatomical points in the body thereby improving the signal-to-noise-ratio. This also eliminates the need to rotate the gantry or the patient to sample the organ of interest, thus improving patient comfort, reducing claustrophobia and patient motion problems," said Josh Gurewitz, vice president of sales and marketing of Spectrum Dynamics. "The D-SPECT is the only dedicated cardiac camera that allows flexible patient imaging - upright, supine or anything in between to improve patient comfort and decrease patient anxiety," Gurewitz added.

Solid state CZT based detectors combined with advanced new reconstruction algorithms provide the foundation for rapid imaging, new clinical applications not possible with conventional sodium iodide based detectors, dramatic reductions in radiation dose to the patient and significant improvements in image quality. The new Redlen M1762 nuclear imaging module provides a 40 x 40mm CZT imaging array with 256 pixels. The module provides direct digital readout and averages less than 6.0% energy resolution for Tc-99 based imaging. The M1762 module provides a key building block to enable a new generation of direct conversion low dose, high resolution nuclear imaging cameras.

About Spectrum Dynamics

Spectrum Dynamics LLC, with offices in New York, California and research and development facilities in Caesarea, Israel is a pioneering medical device company focused on personalized molecular imaging and applications. Spectrum Dynamics will revolutionize the practice of nuclear cardiology, and eventually all nuclear medicine applications, by dramatically enhancing workflow and providing new clinical applications not possible with conventional technology. Additional information is available at www.spectrum-dynamics.com

About Redlen Technologies

Redlen Technologies is a leading manufacturer of high resolution Cadmium Zinc Telluride (CZT) semiconductor radiation detectors which are enabling a new generation of high performance detection and imaging equipment including Nuclear Cardiology, CT Scanners, Baggage Scanners and Dirty Bomb Detection. The company also offers a thin film solar Cadmium Telluride (CdTe) feedstock solution, which delivers volume quantities of high purity, high performance semiconductor material to the Thin Film Solar Photovoltaic (PV) market. For more information on the company and its products, please visit its website www.redlen.com.

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