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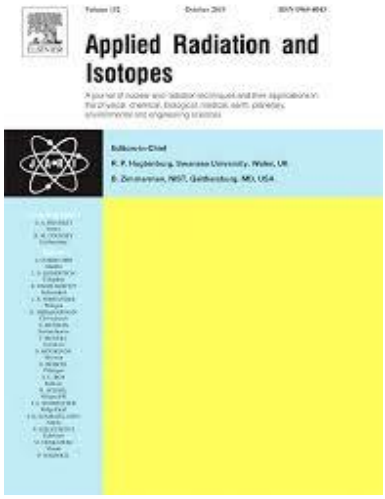
Press Release 05.2019

Oncoinvent: Publication of standardization model for activity of radium-224

Oslo 25. October 2019

Oncoinvent announced today that research relating to a radioactivity standard for radium-224 (^{224}Ra) in secular equilibrium has been published in the Journal of Applied Radiation and Isotopes by Oncoinvent research scientist Elisa Napoli and researchers from the National Institute of Standards and Technology (NIST). This is an important step in the development of Radspherin® as the standard will form the basis for calibration of clinical doses of Radspherin®.



Publication Abstract

A standard for activity of ^{224}Ra in secular equilibrium with its progeny has been developed, based on triple-to-double coincidence ratio (TDCR) liquid scintillation (LS) counting. The standard was confirmed by efficiency. Secondary standard ionization chambers were calibrated with an expanded uncertainty of 0.62% (k = 2). Calibration settings were also determined for a 5 mL flame-sealed ampoule on several commercial reentrant ionization chambers (dose calibrators).

A free access copy of the article can be obtained through the science direct website:

https://www.sciencedirect.com/science/article/pii/S0969804319307195

About Radspherin®

Radspherin® is a novel alpha-emitting radioactive microsphere suspension designed for treatment of metastatic cancers in body cavities. The radium-224 based therapeutic, Radspherin® has shown strong and consistent anticancer activity at doses being essentially non-toxic in preclinical studies. It is anticipated that the product can potentially treat several forms of metastatic cancer.

About Oncoinvent

Oncoinvent AS is a privately held Norwegian company based in Oslo, Norway. The company is committed to developing new innovative products to provide better treatment options to cancer patients. The company's founders started Oncoinvent in 2010 with a view to designing better cancer treatments by applying known physical and chemical principles of selected novel materials in new ways to maximize their medical benefit while minimizing potential safety concerns. This approach has allowed the company to explore and develop multiple technological avenues before selecting a lead product candidate for preclinical testing.

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