


Project <b>Ra-223 Isotope factor for VIK-202</b>		
Document <b>Ra-223 2016</b>		Revision <b>1.00</b>
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## **$^{223}\text{Ra}$ factor for the Comecer dosecalibrator VIK-202.**

In 2015 the NIST (National Institute of Standards and Technology) revised the primary standardization for the measurement of  $^{223}\text{Ra}$ . The result is that the value of the measurements will be about 10% higher than before.

Measurements are performed using an amount of  $^{223}\text{Ra}$  (Xofigo) that had been calibrated with the new standard. The new factor that has been determined using this amount is 606x1.0.

As the revised standardization for the measurement of  $^{223}\text{Ra}$  cannot be implemented until a worldwide approval by Health Authorities, implementation is not planned before April 2016. This means that until further notice by the manufacturer of Xofigo, Bayer, the old factor of 640x1.0 has to be used.