

Hello,

You may be aware that Landauer Inc issued a voluntary recall for its nanoDot OSLDs due to the potential for some of them not meeting the manufacturer's defined accuracy range.

At IROC-Houston, we have an extensive history of using nanoDots and our process to determine dose is transparent, vetted by the medical physics community, and follows the "high accuracy" approach described in the AAPM TG-191 report (Med Phys, 2020). Of particular note, we do not rely on any stated detector characteristics from the manufacturer. We determine the sensitivity of each individual detector ourselves using a NIST-traceable calibration procedure at an ADCL, and all other characteristics are determined through an extensive internal commissioning process. Because we use this independent calibration and characterization process, and because we have never used any manufacturer-generated values, the potential uncertainties driving this recall do not affect the quality of our work product.

IROC-Houston has an extensive quality assurance program to verify the historical and ongoing performance of the nanoDots, including internal verification against historical values and other detectors used by IROC (ion chambers and TLD), and external verification against other national and international bodies. We have full confidence in our program as implemented, and in the current and historical results reported.

Therefore, we are continuing to use the nanoDot detector as we continue to utilize our long-established and validated processes.

IROC-Houston's response to this recall notice is based on extensive programmatic and legal review and should not be construed as an endorsement for others to continue using this product during the recall period. If your organization utilizes the nanoDot outside its relationship with IROC-Houston, we recommend you contact Landauer directly and seek independent counsel regarding the recall notice.

If you have any questions about IROC-Houston's ongoing use of these detectors, please don't hesitate to reach out to us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stephen F. Kry', with a stylized flourish at the end.

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