

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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IONIZING RADIATION DOSIMETRY

NVLAP LAB CODE 100518-0

Scope of Accreditation:

This facility has been evaluated and deemed competent to process the whole body radiation dosimeters and extremity dosimeters listed below by employing the following readers/processes:

(1) Landauer InLight, 200, 500, and Optically Stimulated Luminescence (OSL) readers; (2) LDR Custom Laser Heater TLD Reader; (3) Harshaw 3500 single-chip reader; (4) Landauer Automatic and Manual Luxel/Luxel+ Pulsed Optically Stimulated Luminescence (POSL) reader; (5) Landauer Manual Luxel/Luxel+ Light Emitting Diode (LED) OSL accident reader; (6) Neutron Auto CR-39 reader RadOsyls; (7) microscopes; and (8) RadLight OSL manual and automatic readers.

WHOLE BODY


This facility is accredited to process the following dosimeters by demonstration of compliance with ANSI HPS N13.11 through testing.

OSL Dosimeters:

A4 - [Beta/photon] - Luxel+ Pa (w/permanent clip), process 4 and 5 for ANSI N13.11-2009 categories IA, IIA, IIIA, and IVAA.

A5 - [Beta/photon/thermal & fast neutrons] - Luxel+ Ta (w/permanent clip), process 4, 5, 6, and 7 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA and VCA.

A7 - [Beta/photon] - InLight LDR Model 2-L02N (w/permanent clip), process 1 for ANSI



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N13.11-2009 categories IA, IIA, IIIA, and IVAA.

A9 - [Beta/photon/thermal & fast neutrons] - InLight LDR Model 2T-L02T (Polyethylene and Boron Radiator CR39) (w/permanent clip), process 1, 6, and 7 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA.

B3 - [Beta/photon/fast neutrons] - Luxel+ Ja (w/permanent clip), process 4, 5, 6, and 7 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA.

B6 - [Photon] - Luxel+ Pa Escort, process 4 and 5 for ANSI N13.11-2009 category IA.

C1 - [Beta/photon/ neutron] - InLight LDR Model 2 OSLN-L11N, process 1 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA and VCA.

C2 - [Beta/photon/thermal & fast neutrons] - InLight LDR Model 2T OSLN-L11TN, process 1, 6, and 7 for ANSI N13.11-2009 categories IA, IIA, IIIA, IVAA, and VCA.

C3 - [Photon] - RadWatch Model 1 in RadWatch holder, process 8 for ANSI N13.11-2009 categories IA and IIC.

EXTREMITY

This facility is accredited to process the following dosimeters by demonstration of compliance with ANSI HPS N13.32 through testing.

C5 - [Beta/photon] - S Ring (TLD 100-chip) (Finger), process 2 and 3 for ANSI N13.32-2008 categories IB, IC, IIB, IIC, IID, IIBB, IIIC, IIID, and IVBB.

OSL Badges:

B2 - [Beta/photon] - Luxel+ Pa Wrist (Wrist), process 4 and 5 for ANSI N13.32-2008 categories IA, IIA, IIIA, and IVAA.



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