



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Ohio E.M.A. Radiological Instrument Calibration Laboratory**

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**CALIBRATION LABORATORIES**

**NVLAP LAB CODE 200419-0**

**IONIZING RADIATION DOSIMETRY**

*NVLAP Code:* 20/I01

Dosimetry of X-Rays, Gamma Rays, and Electrons

Calibration of Survey Instruments

<i>Calibration Category</i>	<i>Radiation Type or Beam Code</i>	<i>Nominal Intensity Range</i>	<i>Uncertainty of Reference Field (<math>\pm</math>)</i> <sup>note 1</sup>	<i>Remarks</i>
Gamma	<sup>137</sup> Cs	1 R/hr to 500 R/hr	2.5%	Source 1
	<sup>137</sup> Cs	> 10 mR/hr to 5 R/hr	3.0%	Source 2
	<sup>137</sup> Cs	> 0.1 mR/hr to 50 mR/hr	5.0%	Source 3

1. Represents an expanded uncertainty using a coverage factor, k = 2, at an approximate level of confidence of 95 %.

2009-10-01 through 2010-09-30

*Effective dates*

*Sally S. Bruce*

*For the National Institute of Standards and Technology*