



Metrology area of designation for BRMD, DMSc

Metrology area of designation: Ionizing Radiation

Dosimetry measurement with following:

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| <u>1. Absorbed dose/rate to water,</u> | <u>Co-60, 9.0E-3 Gy/s to 1.0E-2 Gy/s</u> |
| | <u>X-ray, 8.0 E-07 Gy/s to 1.0 E-06 Gy/s</u> |
| <u>2. Air Kerma/rate,</u> | <u>Co-60, 4.0 E-03 Gy/s to 9.0 E-03 Gy/s</u> |
| | <u>X-ray, 6.0E-6 Gy/s to 2.0E-3 Gy/s</u> |
| <u>3. Air kerma</u> | <u>X-ray Diagnostic RQR Beam Quality</u> |
| <u>4. Reference air kerma/rate,</u> | <u>Co-60 0.1- 5.0 Ci, Cs-137 5.0-250 mCi,</u> |
| | <u>Ir-192 2.0 – 20.0 Ci</u> |
| <u>5. Air kerma length product,</u> | <u>X-ray Diagnostic Beam Quality</u> |
| <u>6. Air kerma area product,</u> | <u>X-ray Diagnostic Beam Quality</u> |