

4731.4420 MEASURING ACTIVITY OF UNSEALED RADIOACTIVE MATERIAL; INSTRUMENTS REQUIRED.

A. For direct measurements performed according to part 4731.4422, a licensee must possess and use instrumentation to measure the activity of unsealed radioactive material before it is administered to a patient or human research subject.

B. A licensee must check and test the instrumentation required under item A according to nationally recognized standards or the manufacturer's instructions and at the following intervals as applicable:

- (1) check each instrument for constancy at the beginning of each day of use;
- (2) test each instrument for linearity upon installation and at intervals not to exceed three months thereafter;
- (3) test each instrument for accuracy upon installation and at intervals not to exceed 12 months thereafter; and
- (4) test each instrument for geometry dependence upon installation.

C. A licensee must also perform the required checks and tests in this part following adjustment or repair of the instrument.

D. The licensee must keep a record of geometry dependence for the duration of the use of the instrument and must retain a record of all other instrument checks and tests for three years. The records must include:

- (1) the model and serial number of the instrument;
- (2) the date of the check or test;
- (3) the results of the check or test; and
- (4) the name of the individual performing the check or test.

Statutory Authority: *MS s 144.1202; 144.1203*

History: *29 SR 755; 33 SR 1440*

Published Electronically: *March 12, 2009*