



# RADIOACTIVE MATERIAL SAFETY INSTRUCTIONS

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## 1. PURPOSE

To determine the basic rules to be followed during the accidents that may occur during working with radioactive material in the laboratories of Erciyes University Faculty of Veterinary Medicine.

## 2. RESPONSIBILITY

The activities described in this instruction include the Faculty's diagnostic and research laboratories.

## 3. APPLICATION

- All laboratories using radioactive materials must have a warning sign “Caution – Radioactive Substance” on their door. These labs should have lockable doors; should be kept locked unless operating. The laboratory without a lockable door cannot be used for handling/storage with radioactive material.
- All equipment that comes into contact with radioactive material must be labeled with the “radiation” symbol.
- The radioactive material should be kept in as small a space as possible, all work should be carried out with a plastic-coated holder and the part of the holder that comes into contact with the “radioactive” substance should be marked with tape.
- Radioactive material should be placed in the refrigerator or freezer in locked boxes or stored in a locked refrigerator or freezer. Only laboratory personnel authorized to work with radioactive materials should have access to locked boxes or refrigerator-freezers.
- Detailed procedures regarding the work performed and the use of the laboratory should be available in the laboratory.
- Dress appropriately, including double-wrist-protective gloves, and change outer gloves frequently.
- Always keep the appropriate distance between you and the substance, use table and face protection; Perform procedures quickly, effectively and precisely.
- Monitor your work area regularly for contamination and immediately use suitable radioactive wash foam/powders if available; Dispose of waste material properly.
- After completing all operations, thoroughly cover the radioactive material, remove it, Remove protective clothing, decontaminate; check the area, decontaminate if necessary, wash your hands and check again!
- In the event of an emergency such as a spill of radioactive material, limit the area and notify you immediately!

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