Radiological Agents:
CDC Specimen Collection Protocol for a Radiological Incident


Collect 40 to 60 mL of urine for each person in a screw-cap urine cup. Use the following steps below.

1. Wash hands with soap and water.
2. Collect 40 to 60 mL of urine in a screw-cap urine cup.
3. Deliver specimen to clinic personnel.
4. Label the urine cup with the appropriate bar-coded label, indicating the method of collection if other than “clean catch.”
5. Place bar-coded label on all cups so that when upright, the barcode looks like a ladder.
6. Freeze samples (optimally at -70° C or use dry ice).

Questions concerning this process should be directed to:

CDC Sample Logistics Laboratory
Inorganic and Radiation Analytical Toxicology Branch
Division of Laboratory Sciences, National Center for Environmental Health
Phone: 770-488-7227
NCEHsamplelogistics@cdc.gov