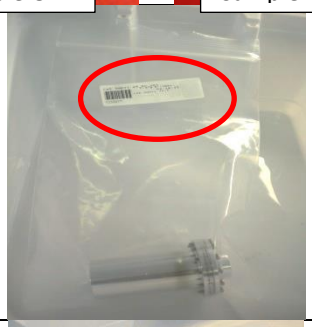
Removing Samples from Beamline 11a

Potential hazards while performing these activities:	
 Radiation Hazard	This activity involves components that have radioactivity or have been exposed to neutron radiation.
 Chemical Hazard	This activity involves handing samples that may have chemical hazards associated with them.
Preventions to reduce exposure to hazards:	
Follow all instructions as written on the Experiment Safety Sheet, Job Hazard Analysis, or other provided work control.	
 Gloves	Nitrile gloves are required at a minimum for protection against exposure to chemical hazards, which may be present if a sample container becomes compromised.
 Additional PPE	Safety glasses recommended. See Experiment Safety Sheet (ESS) for additional PPE requirements.
Caution: If at any time the sample container becomes compromised or damaged, immediately stop work and contact the Radiological Control Technicians (RCTs) at 865-547-6588 or 865-274-8658.	

Steps	Pictures
1. Before removing a sample from the instrument, ensure the secondary shutter is closed.	
2. Remove the sample stick from the instrument. If the sample container is leaking or damaged, **STOP WORK IMMEDIATELY** and contact the RCT. Await further instructions from the RCT before handling the sample.	**Shift RCT cell phone: 865-274-8658** **RCT office phone number: 865-547-6588** **The RCT Office is located in Building 8700, Room TA-225.**
3. Measure the sample with the provided RadEye G.	

4. If sample is less than 2mR/hr, the sample container may be removed from the sample stick.	
5. If sample is ≥2mR/hr, **STOP WORK IMMEDIATELY** and contact the RCT. Await further instructions from the RCT before handling the sample. RCT phone numbers: 865-547-6588 865-274-8658	 
6. Once safe to do so, remove sample container from the sample access pit; always check to see if the sample is damaged or leaking. If it is damaged or leaking, **STOP WORK** and contact the RCT.	 Sample Ok  Sample Leaking
7. Place sample container in a bag with the proper ITEMS barcode tag affixed to it.	
8. Place one of the provided “caution radioactive materials” labels on the outside of the bag.	
9. Place the bag with the sample container in the appropriate storage location at the beamline, on the wooden bench inside the Radiation Materials Area.