

## **SOP for cultivation of biohazardous organisms from samples in a BSL-1 lab**

1. In the event that an RG-2 organism is obtained from environmental samples and will **NOT** be used for further analysis:
  - a. Dispose of the solid samples (e.g. plates) into an orange autoclave bag with a biohazard symbol, and autoclave the waste.
  - b. Dispose of the autoclaved waste as Regulated Medical Waste (RMW). For supplies and to request RMW pickup, follow instructions on the EHS website ([http://www.ehss.vt.edu/programs/waste\\_regulated\\_medical.php](http://www.ehss.vt.edu/programs/waste_regulated_medical.php)).
  
2. In the event that an RG-2 organism is obtained from environmental samples and **WILL** be cultured for further analysis:
  - a. Contact the IBC ([ibc@vt.edu](mailto:ibc@vt.edu)). You will need to amend your IBC protocol to include the list of the RG-2 organisms that will be cultured and a description of the experiments/analysis that will be performed with the organism(s).
    - i. If you do not currently have an IBC protocol, you will need to submit a full protocol to the IBC for review and approval, prior to starting experiments with the organism(s). The samples can be stored in the lab during processing of the IBC protocol.
  - b. After receiving IBC approval, handle the cultures using BSL-2 containment practices and discard all waste as RMW.
  
3. In the event that an RG-3 or RG-4 organism and/or any organism designated as a Select Agent, is unintentionally isolated from samples:
  - a. Immediately seal the samples in orange autoclave bag(s) and place the sealed bag(s) in a secure location in the lab.
  - b. Immediately contact the Responsible Official and University Biosafety Officer, Charlotte Waggoner ([ren@vt.edu](mailto:ren@vt.edu)), or the Alternate Responsible Official and Associate Biosafety Officer Anna Kroner ([akroner@vt.edu](mailto:akroner@vt.edu)), for details on how the organism should be destroyed and disposed.
  - c. Dispose of the samples following specific instructions from the BSO.
  - d. A list of agents designated as Select Agents can be found on the Federal Select Agent Program (FSAP) website (<https://www.selectagents.gov/>).