

Destruction of Select Agent

Department of Environmental Health and Safety, NC State University
Please complete this form for the final destruction of your Select Agent stocks. Before you do, please contact EHS to verify the procedure being used for destruction. Destruction of Select Agents MUST be reported to CDC/USDA . Please call EHS Biosafety Specialist if you have questions.

4 Principle Investigator	Phone:
5 Department	6 Building/room
Select Agent Descriptions: 	
7 Use <input type="checkbox"/> Research <input type="checkbox"/> Diagnostics	
Destruction Procedure 	
Destroyed By: Print Name	Destroyed By Signature:
Signature of Principal Investigator Destroyed:	Date:
I certify that the agent is accurately described and that it is no longer in my possession or in possession of persons who work under my direction.	

After completion forward this form to EHS Box 8007 and keep a copy for your records.

Procedures for the Destruction of Select Agents

Safety Precautions:

Destruction procedures should be performed in a laboratory hood or a biological safety cabinet. At the minimum, Personal Protective Equipment (PPE) for all procedures should include:

- Disposable long-sleeved protective clothing (gown, coverall or similar garment)
- Gloves
- Eye protection
- Mask

Bacteria and Viruses: For destruction of bacteria and viruses, use steam sterilization procedures found in the Biological Safety Manual (<http://www2.ncsu.edu/ncsu/ehs/www99/left/bioSafe/index.html>).

Tetrodotoxin, Staphylococcus Enterotoxin B, Ricin, Aflatoxin:

Destruction in 2.5% NaOCl (sodium hypo chlorite). Use a fume hood, and lower sash to lowest possible working level. Place a warning/do not use sign on hood during the procedure.

1. In a fume hood, place plastic backed absorbent paper on bottom of hood
2. The Select Agent should be in solution in primary container
3. Place primary container in secondary container, such as a beaker
4. Slowly dispense an equal volume of full strength bleach into Select Agent solution
5. Do not place cap on primary container
6. Allow 30 minutes exposure time

Staphylococcus Entertoxin B, Ricin, Botulinium:

Use autoclave for heat destruction

1. In a fume hood or biological safety cabinet, loosen cap of primary container
2. Place primary container into secondary container, such as a beaker
3. Place container into a biohazard autoclave bag
4. Place bag into autoclavable tray
5. Autoclave at 121° C for 45 minutes on liquid cycle (slow exhaust)
6. After autoclaving, allow time for material to cool before handling

Disposal

After destruction of the Select Agent, seal the top to the primary container and place into a zip-lock plastic bag and place in the trash. Complete the EHS hazardous waste form and return it to Biosafety Specialist Box 8007. Call EHS Biosafety Specialist (5-6858) if you have questions.