



The Environmental Health and Safety (EHS) Office is responsible for developing and implementing the Biosafety Level 1 (BSL-1) Biological Waste Management Guide, which provides direction on recommended procedures for the collection, decontamination, and disposal of BSL-1 laboratory generated biological waste only. All Biosafety Level 2 (BSL-2) laboratory generated waste must follow protocols detailed in CSUF's BSL-2 Waste Disposal SOP. This guide has been developed in order to minimize the risk of exposure to those who may come into contact with biological waste at the University. Also, improper release of this waste into regular trash, dumpsters and landfills can expose CSUF and potentially your laboratory and department to substantial financial penalties by regulatory authorities.

---

**Waste Color Code Key:**

Red = Medical	Blue = Autoclaved	Yellow = Hazardous / Mixed	Green = Dumpster
---------------	-------------------	-------------------------------	------------------



**Syringes and needles contaminated with biological material (e.g. Risk Group 1 agents, blood, etc.)**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	All syringes and needles are considered medical waste.  NEVER manually detach a needle from the syringe; discard the entire system.

**Scalpels contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Scalpels are considered medical waste.  Never place these in the regular trash.



**Glass slides and cover slips contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Do not place these items in the broken glass container. AND/OR Never place these in the regular trash.

**Razor blades contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Do not leave razor blades out in the open and uncovered. AND/OR Never place these in the regular trash.



**Pasteur pipettes contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Do not place in regular trash. AND/OR Do not place in broken glass container.

**Broken glass contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Use extreme care when picking up contaminated broken glass. Use brush/dustpan and tongs or forceps. Never use your fingers!



**Capillary tubes contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “sharps” waste container	Comments
Red plastic “sharps” container ONLY	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)	Capillary tubes break easily and pierce bags used for collection of waste. Never place these in the regular trash.



**Human organs, human tissues, or body parts**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
<p>Human parts not infectious, diseased, or inoculated with pathogen contagious to humans or animal populations can be double-bagged in plastic bags, ensuring at a minimum that outer bag is opaque.</p> <p><b>*Human parts that are infectious, diseased, or have been inoculated with a pathogen contagious to humans or animal populations must be double-bagged utilizing red biohazard bags.</b></p> <p><b>OR</b></p> <p><b>Plastic biohazard bin lined with red biohazard bag. Contact EHS Office for additional guidance.</b></p>	<p>None</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form.</p> <p><b>OR</b></p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>Bags shall not weigh more than 15 pounds.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or biohazard bag drop-off utilizing online waste pickup form.</p> <p><b>OR</b></p> <p>Call EHS Office 657-278-7233(SAFE)</p>	<p><b>*There are strict laws and stiff penalties for the mishandling and/or improper disposal of human remains. Please contact the EHS Office prior to initiating work to ensure that your work proceeds in accordance with all laws and regulations.</b></p>



**Animal carcasses**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
<p>Animals not infectious, diseased, or inoculated with pathogen contagious to humans or other animal populations can be double-bagged in plastic bags, ensuring at a minimum that outer bag is opaque.</p> <p><b>*Animals that are infectious, diseased, or have been inoculated with a pathogen contagious to humans or other animal populations must be double-bagged utilizing red biohazard bags.</b></p> <p><b>OR</b></p> <p><b>Plastic biohazard bin lined with red biohazard bag. Contact EHS Office for additional guidance.</b></p>	<p>None</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form.</p> <p><b>OR</b></p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>Bags shall not weigh more than 15 pounds.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or biohazard bag drop-off utilizing online waste pickup form.</p> <p><b>OR</b></p> <p>Call EHS Office 657-278-7233(SAFE)</p>	<p>“Animals” shall mean mammals, birds, reptiles, amphibians, crustaceans, fish, etc.</p> <p>Animals that have been kept in preservatives must have preservatives drained from the container by laboratory staff. The preservative must be identified. Preservatives shall be treated as chemical waste.</p>



**Human or animal blood in volume (test tubes, vials, jars, etc. containing volumes of blood)**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container	Comments
Vials, tubes, jars containing blood in volume may remain in their containers and must be sufficiently covered/closed to prevent spills.	None	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form. OR Call EHS Office 657-278-7233(SAFE)	N/A  EHS Office does not provide waste containers for blood.	Always use “Universal Precautions” when handling human blood or human body fluids. Assume all blood is contaminated and handle appropriately.  All workers/labs using human blood, or human body fluids, must attend the University’s “Bloodborne Pathogen Training”.





**Non-Pasteur plastic pipettes and tips contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.</p>	<p>Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.</p> <p>All Autoclave waste must have autoclave tape affixed to the bag.</p> <p>Waste sterilization must be entered into the autoclave log.</p>



**Plastic ware or other items contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.</p>	<p>Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.</p> <p>All Autoclave waste must have autoclave tape affixed to the bag.</p> <p>Waste sterilization must be entered into the autoclave log.</p>



**Glass test tubes contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form.            OR            Call EHS Office 657-278-7233(SAFE)</p> <p>The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.</p>	<p>Individuals responsible for autoclaving waste must have formal training on the University’s “Autoclave Safety” program.</p> <p>All Autoclave waste must have autoclave tape affixed to the bag.</p> <p>Autoclaved waste must be entered into the autoclave log.</p> <p><b>*Contact EHS Office for additional guidance if encountering broken test tubes piercing bags after processing through the autoclave.</b></p>



**Serological pipettes (plastic, long pipettes) contaminated with biological material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag OR Pipette washer	Autoclave OR Disinfect/sterilize items by immersion in appropriate chemical solution for prescribed amount of time	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.  If pipette autoclave canister or chemical disinfectant is utilized, then sterilized pipettes are to be transferred into cardboard box and discarded into outside dumpster.	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)  The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.	Red autoclave bags may shrink when autoclaved causing serological pipettes to puncture those bags. If this becomes an issue, then pipette autoclave canisters should be utilized.  Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.  All Autoclave waste must have autoclave tape affixed to the bag.  Autoclaved waste must be entered into the autoclave log.



**Tissue Culture Media**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
For liquids - Autoclave compatible container OR Biohazard container with disinfectant solution OR For solids - Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave OR Disinfect/sterilize items by immersion in appropriate chemical solution for prescribed amount of time	For liquids - After sterilization, remaining liquid volumes can be released into drains in the laboratory with running water. OR For solids - After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)  The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.	Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.  All Autoclave waste must have autoclave tape affixed to the bag.  Waste sterilization must be entered into the autoclave log.



**All culture plates**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.</p>	<p>Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.</p> <p>All Autoclave waste must have autoclave tape affixed to the bag.</p> <p>Waste sterilization must be entered into the autoclave log.</p>



**Urine specimens**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Place EMPTY collection cups into plastic biohazard bin lined with red autoclave biohazard bag.	Specimens should be flushed into the sanitary sewer.  Empty collection cups are to be immersed in appropriate chemical disinfectant solution for prescribed amount of time and then processed through autoclave.	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)  The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.	Always wear appropriate personal protective gear when handling any human body fluids. At a minimum this includes eye protection, gloves, lab coat and closed - toe shoes.  Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.  All Autoclave waste must have autoclave tape affixed to the bag.  Autoclaved waste must be entered into the autoclave log.



**Transgenic plant, insect and animal material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste container and bags	Comments
Plastic biohazard bin lined with red autoclave biohazard bag	Autoclave	After autoclaving, place the sterilized autoclave bag in a blue bag and discard into outside dumpster.	Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container and/or bag drop-off utilizing online waste pickup form. OR Call EHS Office 657-278-7233(SAFE)  The EHS Office will provide biohazard bins, red autoclave biohazard bags and blue bags.	Individuals responsible for autoclaving waste must have formal training on the University's "Autoclave Safety" program.  All Autoclave waste must have autoclave tape affixed to the bag.  Waste sterilization must be entered into the autoclave log.





**Broken and unbroken glass with chemical contamination only**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “broken glass” container	Comments
“Broken Glass” container	<p>All glass must be uncontaminated by any biologicals, body fluids or radioactive material.</p> <p>No liquids can be present in any pipettes, vials, etc.!</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p>	<p>Never fill the container so that glass objects protrude from the open end.</p>



**Needles, syringes, broken and unbroken glass contaminated with biological and trace amounts of radioactive material**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “radioactive sharps” waste container	Comments
Red plastic “sharps” container labeled with the internationally recognized symbol for radiation (Trefoil)	<p>None</p> <p>Do not mix this waste with any other material.</p> <p>Never drain or dispose any radioactive material regardless of quantity or activity.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>The container must have information affixed identifying the radioactive species and best estimate of activity.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>Pre-labeled container will be delivered to your lab.</p>	<p>This waste material must remain separate from all other waste!</p> <p>Contact Radiation Safety Officer for any radiation safety-related questions or concerns at 657-278-7233(SAFE)</p>



**Needles, syringes, broken and unbroken glass contaminated with trace amounts of radioactive material only**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining “radioactive sharps” waste container	Comments
<p>Clear plastic “sharps” container labeled with the internationally recognized symbol for radiation (Trefoil)</p>	<p>None</p> <p>Do not mix this waste with any other material.</p> <p>Never drain or dispose any radioactive material regardless of quantity or activity.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> and complete online waste pickup request form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>The container must have information affixed identifying the radioactive species and best estimate of activity.</p>	<p>Visit webpage at <a href="http://ehs.fullerton.edu">ehs.fullerton.edu</a> to request container drop-off utilizing online waste pickup form.</p> <p>OR</p> <p>Call EHS Office 657-278-7233(SAFE)</p> <p>Pre-labeled container will be delivered to your lab.</p>	<p>This waste material must remain separate from all other waste!</p> <p>Contact radiation safety officer for any radiation safety-related questions or concerns at 657-278-7233(SAFE)</p>



**Plastic ware, gloves, and other items that are not contaminated with biological or other hazardous materials**

Disposal Container	On-Campus Treatment	To remove waste from your lab	Obtaining waste bags or container	Comments
Regular trash container	None	<p>N/A</p> <p>Ordinary trash for routine custodial pick-up</p>	<p>N/A</p> <p>Ordinary trash receptacle, obtained by lab</p>	<p>Be mindful of heavy or sharp edged objects that may puncture or tear the trash bag.</p> <p>Be considerate to the custodial staff.</p>