

**Attachment D.
Environmental Sample Collection**

Check all that apply:

- We will be isolating or culturing biohazardous agents from the samples
- We will be collecting samples from locations that may contain human pathogens (e.g., an area with animal waste run-off)

Environmental Sample Information

Sample Type	Characterization
<input checked="" type="checkbox"/> Water	<p>Source (Provide Name of body of water & Location): Pond at Murray Ranch, Gilroy, CA Number of Samples: One Volume per Sample: 250ml Total Volume Collected: 250ml Is this body of water prone to closures due to presence of human pathogens? (Y/N): N Is this body of water located near agriculture/farming? (Y/N): Y If yes, what type of farm? (i.e., strawberry fields, cattle ranch): Mixed livestock</p> <p>Describe the:</p> <ol style="list-style-type: none"> 1. Collection procedures, including materials used to collect samples 2. Transportation of samples (consider containment, disposal, and disinfection procedures) 3. Location of sample analysis 4. Analytical procedures <p>Water is collected in a 250ml plastic bottle. Gloves are worn to collect the sample. The bottle is held up to the spring inside the stone grotto. The water is collected in the plastic bottle and wiped dry with kimwipes. The bottle containing the water sample is placed into a plastic secondary containment bin, and the gloves and used kimwipes are placed into a plastic Ziploc bag. The materials are brought back to San Jose State University and stored in Duncan Hall 637 until needed. The used gloves and kimwipes are disposed of as biohazardous waste, which is decontaminated by biology department technical staff. The collected water sample is aliquoted into small plastic jars and given to the Micro-101 general microbiology laboratory class in Duncan Hall 649. The student use the water sample to make wet mounts and examine the water sample under the microscope. The slides used for the wet mounts are disinfected in 3% DC Gold disinfectant. All the aliquoted small plastic jars are disposed of as biohazardous waste, which is decontaminated by biology department technical staff. The collection bottle is decontaminated in the autoclave, washed, and reused.</p>
<input type="checkbox"/> Soil	<p>Source (Provide Location): Number of Samples: Mass per Sample: Total Mass Collected: Is this site prone to closures due to presence of human pathogens? (Y/N): Is this site located near agriculture/farming? (Y/N): If yes, what type of farm? (i.e., strawberry fields, cattle ranch):</p> <p>Describe the:</p>

	<ol style="list-style-type: none"> 1. Collection procedures, including materials used to collect samples 2. Transportation of samples (consider containment, disposal, and disinfection procedures) 3. Location of sample analysis 4. Analytical procedures

<input type="checkbox"/> Air	Source (Provide Location): Total Volume/Amount Collected: _____ Volume/Amount per Sample: _____
	Describe the: <ol style="list-style-type: none"> 1. Collection procedures, including materials used to collect samples 2. Transportation of samples (consider containment, disposal, and disinfection procedures) 3. Location of sample analysis 4. Analytical procedures
<input type="checkbox"/> Surface	Source (Location, Surface Type): Sampling Dimensions: Is this surface expected to harbor human pathogens? (Y/N):
	Describe the: <ol style="list-style-type: none"> 1. Collection procedures, including materials used to collect samples 2. Transportation of samples (consider containment, disposal, and disinfection procedures) 3. Location of sample analysis 4. Analytical procedures

<input type="checkbox"/> N/A	<h3>Environmental Sample Expected Microbial Population</h3> <p>If there is an expected microbial population in the environmental sample that will be isolated, tested for, or cultured, also complete Attachment B</p>						
Sample Type	Source (Location, Item)	Bacteria expected (Y/N)	Virus expected (Y/N)	Fungi expected (Y/N)	Parasites expected (Y/N)	If other hazards, list below.	Will these be cultured? (Y/N)
Water Sample	Murray Ranch, Water	Y	N	N	N	N	N

<input type="checkbox"/> N/A	Field Locations Describe additional processing of samples in the field.			
Location	Agent/Material	Procedures (e.g., analyses)	Shared facility? (Y/N)	Proposed BSL
Murray Ranch, Gilroy	Water sample	Collection/transport	N	1