

creation of aerosols?

Biosafety Checklist

Building:		Room Number:			
		Area Use:			
Ger	neral Biosafety				
	All labs using biological agents are required to co	omply with the General Biosafety aspects o	f this checklist.		
	zard Assessment	, , , , , , , , , , , , , , , , , , , ,			
	Are biological agents used or stored in this la	b?	Yes	No	N/A
2.	Is the inventory of biohazards up-to-date?		Yes	No	, N/A
	Are biohazards classified into appropriate bio	osafety levels?	Yes	No	, N/A
	Select agents used:	source, revelor			,
	Microorganisms	Human blood/tissue/OPIM	Human	cell lines	
	Other cell lines/tissue culture	Animal tissues	rDNA	cen inies	
	Other biological materials (specify):	, tillital cissaes	15107		
5.	What is the biosafety level for this area?		Yes	No	N/A
	·				,
	poratory Facility	2	Vos	No	NI/A
6.	Does the lab contain a sink for hand washing	.f	Yes	No	N/A
	a. Is soap available?		Yes	No	N/A
7	b. Are paper towels available?	2	Yes	No	N/A
7.	Are operable windows fitted with fly screens	·f	Yes	No	N/A
	ining and Recordkeeping				
8.	Has the department ensured general biosafe	ty training for potentially	Yes	No	N/A
_	exposed personnel?		V	Na	•
	Has the PI provided task-specific biosafety tr	aining?	Yes	No	N/A
	Has all training been properly documented?	fata and an all and the second	Yes	No	N/A
11.	Is the UofM <i>Biological Safety Program</i> (biosa up-to-date?	rety manual) readily available and	Yes	No	N/A
12	Are lab personnel knowledgeable about biole	ogical hazards and risk reduction			
	methods for their area?	object natural and non-readers.	Yes	No	N/A
Sign	2200				
_	nage		Yes	No	N/A
	Are biohazard signs posted on lab entrances		Yes		N/A
	Is emergency contact information posted on Is the Biohazard Work Area delineated with the		res	No	IN/A
15.	the lab is used)?	noor markings (if only a portion of	Yes	No	N/A
16	Are biohazard signs or labels on storage and	use areas?	Yes	No	N/A
	Is the biohazard symbol affixed to potentially		Yes	No	, N/A
	Are refrigerators labeled "Not for Storage of	• •	Yes	No	N/A
	k Reduction - Work Practices, PPE, and Engli	·		-	,
	Does staff wash hands after handling viable i	-			
15.	and before leaving Biohazard Work Area?	naterials, after removing gloves,	Yes	No	N/A
20.	Are eating, drinking, smoking, applying cosm	etics, and handling contact lenses	W	NJ -	N1 / A
	prohibited in the work area?	- -	Yes	No	N/A
21.	Is food and drink stored outside the Biohazar	rd Work Area in a dedicated	Yes	No	N/A
	refrigerator?				
22	Are procedures performed carefully to mining	nize splashes sprays, and the	Yes	No	N/A

Page 1 of 4 Updated May 2016



Biosafety Checklist

23. Is the lab maintained in a clean and sanitary condition?	Yes	No	N/A
24. Are lab coats worn in the Biohazard Work Area?	Yes	No	N/A
25. Are lab coats free of visible contamination?	Yes	No	N/A
26. Are contaminated lab coats laundered on-site or by a suitable outside contractor - NOT taken home by lab personnel?	Yes	No	N/A
27. Are lab coats removed before leaving the lab area and entering non-lab areas (library, cafeteria, administrative offices, etc.)?	Yes	No	N/A
28. Are gloves worn when handling biological agents?	Yes	No	N/A
29. Are gloves removed prior to touching "clean" surfaces?	Yes	No	N/A
30. If splashes or sprays might occur, is protective eyewear available and used?	Yes	No	N/A
31. Is respiratory protection available for strictly <i>voluntary</i> use of filtering face pieces (dust masks)?	Yes	No	N/A
32. Has the UofM <i>Voluntary Use of Dust Masks</i> form been completed for all staff choosing to use dust masks?	Yes	No	N/A
33. Is the OSHA Respiratory Protection Standard implemented when respiratory protection exceeds voluntary use of dust masks (filtering face pieces)?	Yes	No	N/A
34. Are Biosafety Cabinets (BSCs) available?	Yes	No	N/A
a. Class I?	Yes	No	N/A
b. Class II?	Yes	No	N/A
35. Has the biosafety cabinet been certified within the past 12 months?	Yes	No	N/A
36. Are BSCs located away from doors, fume hoods, air supply vents, or other sources of airflow disruption?	Yes	No	N/A
37. Has smoke testing determined that sources of airflow disruption do not interfere with proper functioning of BSC?	Yes	No	N/A
38. Are only incidental amounts of chemicals used inside the BSC?	Yes	No	N/A
39. Are laminar flow hoods ("clean air benches") located in the lab?	Yes	No	N/A
40. Are the laminar flow hoods used only for non-hazardous agents?	Yes	No	N/A
41. Are mechanical pipetting devices used?	Yes	No	N/A
Disinfection, Decontamination, and Waste			
42. Are work surfaces decontaminated at least daily and immediately after spills?	Yes	No	N/A
43. Are decontaminants that are effective against agents in use?	Yes	No	N/A
List decontaminants used:			
44. Are written procedures in place for large and small spills or leaks?	Yes	No	N/A
45. Is a biohazard spill kit available and properly stocked?	Yes	No	N/A
46. Is an autoclave available?	Yes	No	N/A
47. Are biological indicators routinely used to verify the efficacy of the autoclave?	Yes	No	N/A
48. Are biohazardous waste disposal procedures in place and implemented?49. Is biological waste placed into appropriately labeled or color-coded	Yes	No	N/A
receptacles?	Yes	No	N/A
50. Is the waste container closed when not in use?51. Are needles/sharps placed into appropriate containers that are labeled, leak-	Yes	No	N/A
proof, and puncture resistant? 52. If materials are decontaminated outside of the laboratory, are they	Yes	No	N/A
transported in durable, leak-proof containers?	Yes	No	N/A

Page 2 of 4 Updated May 2016



Biosafety Level 2

Laboratories using biosafety level 2 agents must also comply with the following provisions:

 Does the lab have access to the CDC's Biosafety in Microbiological and Biomedical Laboratories? 	Yes	No	N/A
Is access to the lab limited or restricted when working with infectious agents?Describe method of access control:	Yes	No	N/A
3. Does entrance signage include biosafety level and any special requirements for entry (such as PPE, training, or vaccination requirements)?	Yes	No	N/A
4. Are medical evaluation and reporting procedures in place in the event of accidental exposure?	Yes	No	N/A
5. Can staff describe the procedures to follow in the event of an exposure?	Yes	No	N/A
6. Are only needle-locking syringes or disposable syringe-needle units used?	Yes	No	N/A
7. Do laboratory personnel follow safety protocols to ensure needles are not bent, broken, removed, or otherwise manipulated by hand before disposal?	Yes	No	N/A
8. If needles must be recapped, is a one-hand technique used?	Yes	No	N/A
9. Is a biosafety cabinet used for procedures that might produce infectious aerosols or splashes?	Yes	No	N/A
10. Is a biosafety cabinet used for large volumes or high concentrations of infectious agents?	Yes	No	N/A
11. If viable materials are centrifuged, are safety containment cups or sealed rotors with O-rings used?	Yes	No	N/A
12. Are safety containment cups or sealed rotors opened only within a BSC?	Yes	No	N/A
13. Is whole-face protection used for procedures that must be conducted outside the BSC?	Yes	No	N/A
14. Do sinks utilize hands-free controls (foot, knee, or automatically operated)?	Yes	No	N/A
15. Is an emergency shower/eyewash station readily available?	Yes	No	N/A
16. Are vacuum lines protected with a liquid disinfectant trap and HEPA filter?	Yes	No	N/A

Page 3 of 4 Updated May 2016



Bloodborne Pathogens (human blood, unfixed tissues, body fluids, cell lines)

Laboratories using any of the above substances must comply with the General Biosafety and Biosafety Level 2 sections, as well as the Bloodborne Pathogens section of this checklist.

1.	Is a Departmental Exposure Control Plan available and up-to-date?	Yes	No	N/A
2.	Does the lab have access to the OSHA <i>Bloodborne Pathogens Standard</i> (29CFR 1910.1030)?	Yes	No	N/A
3.	Have personnel with potential exposure risk received Bloodborne Pathogens			/.
	training?	Yes	No	N/A
4.	Is refresher training provided annually?	Yes	No	N/A
5.	Have personnel with potential exposure risk been offered the Hepatitis B			
	vaccine?	Yes	No	N/A
6.	Is the Vaccination Declination form on record for employees who have opted			
	out of the HBV vaccination program?	Yes	No	N/A
7.	Are Universal Precautions employed?	Yes	No	N/A
8.	Does the lab maintain a needle stick/sharps injury log?	Yes	No	N/A

Recombinant DNA

Laboratories using recombinant DNA molecules must comply with the General Biosafety and the rDNA sections of this checklist. The BSL-2 section must also be completed if any of the vectors or agents involved are biosafety 2 (or Risk Group 2) agents.

1.	Does the lab have access to NIH's Guidelines for Research Involving			
	Recombinant DNA Molecules?	Yes	No	N/A
2.	Is a Registration for Recombinant DNA Research form on file with EH&S?	Yes	No	N/A
3.	Is the rDNA experiment NIH Category III-F (exempt)?	Yes	No	N/A
4.	Is the agent replication deficient?	Yes	No	N/A

Page 4 of 4 Updated May 2016