

Wyoming Public Health Laboratory Risk Assessment Form: Procedure: _____

Section _____

Date: _____

Purpose of Performing This Risk Assessment: _____

The goal of a Risk Assessment is to identify and mitigate the risks of working in a laboratory environment.

Use the matrix below to determine risk with no safety measures in place. Circle where the procedure falls within the matrix. (See Appendix B)

Likelihood	Potential Consequences					
		Not Significant	Requires Medical Treatment	Requiring Hospital Admission	Permanent Injury/Chronic Illness	Fatality
		Not Significant	Minor	Moderate	Major	Severe
	Almost Certain	Medium	High	Very High Risk	Very High Risk	Very High Risk
	Likely	Medium	High	High	Very High Risk	Very High Risk
	Possible	Low	Low	High	High	Very High Risk
	Unlikely	Low	Low	Medium	Medium	High
	Rare	Low	Low	Low	Low	Med

Record Risk Assessment Results here: Procedure Pre-RA with no safety measures in place _____

Procedure Post - RA Score _____ Acceptable Risk _____ Mitigate ☐ No Mitigation Required ☐

Acceptable Risk:

BSL 2 - Low to Medium

BSL 3- Low to Medium

- * Mitigation is required if risk falls out of the acceptable range
- * A new risk assessment is required if new procedures or instruments are implemented or if an incident occurs
 - * Incidents require the completion of an Incident Report Form

Likelihood of Occurrence:

Almost Certain - Expected

Likely - Could happen sometime

Possible - could happen but not likely

Unlikely - Could happen but rare

Rare - Could Happen - Probably never will

Potential Consequences:

Denotes the severity of an exposure or accident occurring while performing a procedure.

[illegible]

[illegible]

Method/ Procedure to be assessed:* (1)	Task (task frequency**) (2)	Route(s) of exposure and associated risk (3)	Specific Potential Hazards (4)	Biosafety Level Recommended (5)	Engineering Controls Required (6)	Required PPE (7)	Disposal Considerations (8)	Associated Risk: Consider All Routes of Exposure with PPE, Controls and Safety Practices (9)
<u>Method:</u>	<i>Circle One</i> <u>Instrument in use</u> (Specify) Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)
<u>Method:</u>	<i>Circle One</i> <u>Chemicals in use</u> (Specify) Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)
*IF METHOD DOES NOT APPLY PLEASE WRITE N/A								

[illegible]

Method/ Procedure to be assessed:* (1)	Task (task frequency**) (2)	Route(s) of exposure and associated risk (3)	Specific Potential Hazards (4)	Biosafety Level Recommended (5)	Engineering Controls Required (6)	Required PPE (7)	Disposal Considerations (8)	Associated Risk: Consider All Routes of Exposure with PPE, Controls and Safety Practices (9)
<u>Method:</u>	<i>Circle One</i> Pipetting Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)
<u>Method:</u> *IF METHOD DOES NOT APPLY PLEASE WRITE N/A	<i>Circle One</i> Additional Method (define) Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)

Method/ Procedure to be assessed:*(1)	Task (task frequency**) (2)	Route(s) of exposure and associated risk (3)	Specific Potential Hazards (4)	Biosafety Level Recommended (5)	Engineering Controls Required (6)	Required PPE (7)	Disposal Considerations (8)	Associated Risk: Consider All Routes of Exposure with PPE, Controls and Safety Practices (9)
Method:	<i>Circle One</i> Decon Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)
Method:	<i>Circle One</i> Waste Disposal Daily Periodically Sporadically	<i>Circle all that apply</i> Inhalation- Ingestion- Percutaneous- Mucous membrane-	<i>List related Hazard(s)</i>	<i>Circle all that apply</i> BSL-2 BSL-3	<i>Circle all that apply</i> BSC Chemical Hood PCR Prep Hood Other: (Specify)	<i>Circle all that apply</i> Gloves Lab Coat Safety Glasses Respiratory Device Other: (Specify)	<i>Circle all that apply</i> None Biohazard Bag Autoclave Other: (Specify)	<i>Circle One</i> Low (1) Medium (2) High (3) Very High (4)
*IF METHOD DOES NOT APPLY PLEASE WRITE N/A								

[illegible]

[illegible]

Upon completion of the RA -

Add up all values from Column 9.
9.

Divide the sum by the number of times column 9 was completed.

This answer will correlate to the Associated Risk (Circle your result here):

Low (1)

Medium (2)

High (3)

Very High (4)

(See example in Appendix B in RA SOP)

Likelihood	Potential Consequences					
		Not Significant	Requires Medical Treatment	Requiring Hospital Admission	Permanent Injury/ Chronic Ill-	Fatality
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Acceptable Risk:

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Potential Consequences:

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Date: _____

The goal of a Risk Assessment is to identify and mitigate the risks of working in a laboratory environment.

- ☐ The method specific risk assessment has been completed and is found to be unacceptable and requires mitigation.

PROPOSED:

[illegible]

COMPLETED:

[illegible]

- ☐ The agent specific risk assessment has been completed and is found to be acceptable practice, meeting the biosafety requirements for the Wyoming Public Health Laboratory.

Wyoming Public Health Laboratory Risk Assessment Form:

Signature Page

Individual Performing Risk Assessment

(Signature and Date)

Biosafety Designee (Signature and Date)

Laboratory Manager (Signature and Date)

Section Lead (Signature and Date)

Laboratory Administrator (Signature and Date)

Other Comments:

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