

Task/Equipment:	Autoclave
Department:	Biology
Analyzed By:	Justine Becker
Date:	9/23/2020

Job Hazard Analysis

Personal Protective Equipment Required:



Heat-resistant
gloves



Lab Coat

Trainings Required*/Recommended:

1. General Lab Safety Training
2. If a TA/student: Use training from a professor or supervisor

Equipment/Tools/Chemicals Required for the Job:

Autoclave, autoclave bags, tape, secondary container (tray), material to autoclave

Tasks/Steps	Hazards Present	Safety Measures and Controls
Prepare materials to autoclave	A. Cuts B. Explosions in autoclave	A. Be cautious when adding material to the autoclave. If using an autoclave bag, hold it away from you as to not get cut by any glass inside. B. If autoclaving liquids, leave lid loose, or cover with tin foil.
Put on PPE (lab coat, goggles, heat resistant gloves)	A. N/A	A. N/A
Open autoclave door	A. Possible burns from autoclave	A. Wear a lab coat and gloves that completely cover your arms. Stand at a distance to avoid burns.
Place materials in autoclave. Materials must be placed in a tray for secondary containment.	A. Cuts	A. Be cautious when adding material to the autoclave back. If using an autoclave bag, hold it away from you as to not get cut by anything inside.
Shut autoclave door	A. Possible burns from autoclave	A. Wear a lab coat and gloves that completely cover your arms. Stand at a distance
Choose correct cycle for your material.	A. N/A	A. N/A
Allow cycle to run, do not open the door!	A. Opening the door could cause burns.	A. Allow the cycle to run. If you must end it, abort the cycle and wait until the chamber depressurizes.
Open autoclave door once cycle is complete	A. Possible burns from autoclave	A. Wear a lab coat and gloves that completely cover your arms.



Reviewed By	Date
Bryana Borders and Justine Becker	10/26/21
Bryana Borders	4/11/22

Updated:4/11/22