

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Jacqueline Albert

Title of Project The Use of Curcumin to Mitigate the Inclusion of α -synuclein in Transgenic *Caenorhabditis elegans*

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist:
(All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).
Curcumin, bleach, M9 buffer, OP50 E. coli (exempt from pre-approval.)
2. Identify and assess the risks involved in this project.
Curcumin can irritate skin, throat, and eyes. Bleach can irritate the skin or the eyes, and cannot be consumed. M9 buffer cannot be consumed. Cannot ingest OP50 E. coli.
3. Describe the safety precautions and procedures that will be used to reduce the risks.
Gloves and goggles will be worn during all laboratory activities, and hands will be washed before and after glove use. No chemicals will be ingested, and no food will be eaten or drinks will be consumed during laboratory activities.
4. Describe the disposal procedures that will be used (when applicable).
OP50 will be bleached or autoclaved prior to disposal. Bleach will be diluted and poured down the sink. Pipette tips used to transfer bacteria will be bleached and then disposed in the regular garbage.
5. List the source(s) of safety information.
MSDS, OP50 information received from BSL 1 safety sheet (Fisher).

To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):

I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

Mary Hendrickson

Mary Hendrickson

02/08/19

Designated Supervisor's Printed Name

Signature

Date of Review (mm/dd/yy)

Research Educator, Syosset High School

mhendrickson@syossetschools.org

Position & Institution

Phone or email contact information

PhD Biology; 13 years experience laboratory research cell, molecular, biochemistry

Experience/Training as relates to the student's area of research