

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Victoria McGuigan

Title of Project Attachment of CdSeTe/ZnS quantum dots to alginate biomaterial for non-invasive detection of gel implants

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).

N-(3-dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride (EDC)

2. Identify and assess the risks involved in this project.

Crosslinking reactions utilizes EDC that has dermally acute toxicity.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

Personal protective equipments (PPEs) such as lab coat, gloves, eye goggles are always used. Engineering devices such as chemical fume hoods are utilized as well.

4. Describe the disposal procedures that will be used (when applicable).

Waste chemicals are collected in proper waste containers. They are stored and routinely collected by approved chemical disposal companies.

5. List the source(s) of safety information.

Safety data sheets, NIH Chemical Safety Guide, and NIH Biosafety in Microbiological and Biomedical Laboratories

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.

Roche de Guzman

Roche de Guzman

Digitally signed by Roche de Guzman
Date: 2020.01.06 13:38:16 +08'00'

01/06/20

Designated Supervisor's Printed Name

Signature

Date of Review (mm/dd/yy)

Assistant Professor, Hofstra University

roche.c.deguzman@hofstra.edu

Position & Institution

Phone or email contact information

17 years of experience with polymeric biomaterials and their chemical modifications

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