



RESEARCH ETHICS CHECKLIST FOR AN INVESTIGATION INVOLVING THE USE OF TOXIC SUBSTANCES

This checklist must be completed AFTER the KDCI Code of Research Ethics and Guide to Responsible Conduct of Research has been read and BEFORE gathering data.

NOTE: This checklist is completed after the research proponent fills out the General Checklist Form.

Only answer this Checklist if you answered YES on question 4 of the General Checklist.

Researcher Details	
Lead Researcher's Signature	
Lead Researcher's Name (Please Print)	
Email Address(es)	
Department/College/ Course	
Proposed Title of the Research	
Term(s) and academic year in which research project is to be undertaken	
Other members involved in the project	

How would you classify the toxic chemicals that will be used in your study?

- ☐ Corrosive (can injure body tissue or corrode metals)
- ☐ Flammable (have the potential to catch fire readily and burn in air)
- ☐ Oxidizer and reactive (chemicals that can explode or react violently with water or atmospheric oxygen)
- ☐ Toxin (substances that even in small amounts can injure body tissues)
- ☐ Mutagen/Carcinogen (can cause mutation or cancer)
- ☐ Allergen (can cause adverse reaction to the immune system)
- ☐ Irritant (can cause inflammatory effects on living tissues)
- ☐ Neurotoxin (can induce adverse effect on the central or peripheral nervous system)

Please provide a brief description of the data collection procedure to be undertaken in the research:



Please provide a list of toxic chemicals that will be used in the study:

The following items refer to some important ethical considerations in the conduct of research with toxic chemicals. Provide a check for the appropriate answer to each question.

Question(s)	YES	NO	Not Applicable
1. Will the toxic chemical/s be used as components/materials to generate another product? If yes, please indicate the product to be generated on the space provided. _____ _____ _____ _____			
2. Will the toxic chemical/s be generated as a by-product of another process? If yes, please attach a description of the process to this checklist form.			
3. Are these chemicals going to be purchased and transported to the laboratory? Answering with a "NO" indicates that the chemicals to be used are available in the laboratory. If yes, please attach a description of the safety measures to be undertaken during the transport.			
4. Are you conducting part of your research/experiments outside the College? If yes, indicate the laboratory where you are going to conduct your experiment on the space provided. _____ _____ _____			
5. Do you intend to use/introduce the toxic agent/substance to an organism? If yes, please indicate the organism and the manner of introduction by which the agent will be introduced on the space provided. _____ _____ _____ _____			



Question(s)	YES	NO	Not Applicable
6. Will you dispose of the wastes generated by your research? If yes, please describe the procedure for waste disposal on the space provided. _____ _____ _____ _____			
7. Does your research aim to produce/generate a product with commercial value? If yes, do you wish to apply for a patent for your research? Please check: ☐ Yes ☐ No			

Answering YES to any of the above items will signal an ethical issue that needs to be addressed. Some actions that will allow for the adherence to research ethical principles are provided with each item. The researcher will have to determine how these actions are to be incorporated into the research procedure. The researcher is advised to refer to the College's Guide to the Responsible Conduct of Research for other procedures to ensure adherence to ethical principles in the conduct of research.

Declaration

I certify that I have read and understood the KDCI Code for the Responsible Conduct of Research and will abide by the ethical principles in this document. I will submit a final report of the proposed study to the IRB. I will not commence with data collection until I receive an ethics review approval from the IRB.

_____	_____
Name and Signature of Principal Investigator	Date

UNDERGRADUATE STUDENTS ONLY

I confirm that the student(s) is/are capable of undertaking this research in a safe and ethical manner.

_____	_____	_____
Name of Adviser	Signature	Date