Section 3 Project Description:

3c. Provide a detailed project methodology. Please include a detailed description of the biosafety and personnel safety precautions to include –Microbiological practice and containment, personal protective equipment, containment, spill procedure, waste storage and disposal, sharps management, decontamination procedures, accident follow up, and training provided to participants

1. All students are upper-level college students above the age of 20 years. This is a day lab.

2. The instructor will provide a brief description of the lab to students during the class prior to the lab or by email to allow students who have blood sugar concerns to be prepared to self-regulate.

3. Pre-lab instructions will be given by the instructor. This will include how to change and dispose of lance tips and test strips, washing hands and use of Band Aids.

4. Each student will be provided with 4 glucose tablets, 1 lancing device with multiple sterile needle tips, and glucose test strips.

5. One half of the class will consume 4 sugar tablets; the other half of the class will not consume anything.

6. After cleansing the finger tip with an ethanol wipe, the student will use the lancet to prick the fingertip draw a bead of blood and place the drop of blood on a glucose strip. Pressure will be applied to the fingertip with a cotton ball to assure clotting. Sterile Band Aids will be supplied for students to cover finger sticks. Students will handle only their own lancing devices, test strips and Band-Aids.

7. Blood samples will be taken at 0 min (when glucose tablets eaten), 15, 30, 45, and 60 minutes.

8. Contaminated lancets will be placed in red sharps container immediately after use by the student who used it. Sharps containers will be disposed of when 2/3’s full.

9. Any paper products with blood on them (used test strips and paper towels) will be disposed of in a biomedical waste bag and disposed of through GSU Environmental Safety.

10. At the end of the lab, the table tops and lancing devices will be washed with a 10% bleach solution. Lancing devices will be cleaned per instructions supplied with the devices.