

# StFX Biosafety Committee

MICROORGANISMS

BSF-2

Principal Investigator: \_\_\_\_\_

Project Title: \_\_\_\_\_

1. Biological Agent (Genus species): \_\_\_\_\_

Specific strain, genotype, or ATCC number: \_\_\_\_\_

Source (specify if wild strain): \_\_\_\_\_

2. Pathogen Safety Data Sheet available:  Yes, attach PSDS  No *If no, explain potential hazard:*

3. Target host range: \_\_\_\_\_

Disease/symptoms produced: \_\_\_\_\_

4. Route of transmission: \_\_\_\_\_

5. Virulence (lowest infective dose): \_\_\_\_\_

6. Are medical prophylactic measures available?  Yes  No *If yes specify:*

7. Is antibiotic resistance expressed?  Yes  No *If yes, to which antibiotics:* \_\_\_\_\_

8. Is a toxin produced?  Yes  No

If yes, is the LD50 more than 100 ng/kg body weight?  Yes  No

9. Largest volume used is: \_\_\_\_\_ Usual volume used is: \_\_\_\_\_

10. Is the agent inactivated prior to other manipulations?  Yes  No

(a) Specify methods:  Heat  Chemical  Radiation  Other, explain

\_\_\_\_\_

(b) How do you verify inactivation?

11. Specify disinfectants that are effective against the agent:

How do you verify effectiveness?

12. Will the agent be cultured?  Yes  No Specify amount: \_\_\_\_\_

13. Will the agent be concentrated?  Yes  No

Specify methods:  Centrifugation  Precipitation  Filtration

Freeze-dried  Other

14. Will aerosols be created?  Yes  No *If yes, explain protective measures to be taken:*

15. Will the agent be radioactively-labelled?  Yes  No

If yes, list isotope(s): \_\_\_\_\_

Location of labeling (building, room): \_\_\_\_\_

16. To manipulate agent do you use:  Loops  Pipets/tips  Bunsen burner

Alcohol lamp

17. Is the agent to be used in animals?  Yes  No *If yes, attach StFX Animal Use Protocol*

18. References. *Attach any references that may support this application.*