**RISK ASSESSMENT FOR GENETICALLY MODIFIED MICROORGANISMS AND LARGER ORGANISMS**

**Section 1**:

Title of Project

Name of Principal Investigator responsible for project

Scientific goals of project

Laboratory(-ies) where this work will be carried out

Type of organisms being constructed

Genetically Modified Microorganism (GMM) Yes/No

Larger Genetically Modified Organism (GMO) Yes/No

Overview of organisms being created

Guidance:  
1 to 2 paragraphs, outlining general scope of work being proposed

List of recipient strains

Guidance:  
Name of wild type organism from which strains are derived  
Detail extent of any disabling mutations

List of vectors to be used

Guidance:  
Detail full names and include details of any disabling mutations

List of inserted genes and their function(s)

Guidance:  
Identify the genes in such a way that an external reviewer would have a general idea of their function (e.g. avoid using abbreviations alone). If gene function is unknown, provide details of known homologues

Hazards presented by organisms being produced

Guidance:  
This needs to detail potential hazards to human health, animal health or the environment, including identification of the most hazardous combinations of strain, vector and insert from the provided list. If all hazards are the same, please state this. You must consider both the severity of the hazard AND its likelihood.

Health surveillance:

Does the work being undertaken pose a higher risk to workers with specific health conditions or during pregnancy?

Guidance:  
Please consider possibilities such as skin conditions, eye conditions etc., or if a worker with a reduced immune system could be more at risk

Do workers require any vaccinations to work on this project?

Guidance:  
Please details what will be compulsory and what would be advisory only.

How will waste materials be disposed of?

Guidance:  
Please detail disposal for both liquid and solid waste, both during the project and for the final organism(s) produced.

Are you confident that for all organisms detailed above there are no harmful properties associated with any component?

Yes/No/Unsure

Are you confident that none of the final organisms could be hazardous to human health or the environment?

Yes/No/Unsure

If the answer to **BOTH** of the last two questions is YES, then the project will be provisionally classified as CLASS 1, as defined under the relevant regulations. To do this, you must be confident that even a total loss of containment would be of no risk to human health or the environment.

If you are unsure about the above, then a more detailed risk assessment will be required using Section 2 of this form. Please contact your Departmental Biological Safety Officer or the University Biological Safety Adviser for advice.  
  
PI signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 **Class 1 project approval:**

Departmental Biological Safety Officer:

Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Head of School

Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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