

# Full GMM Risk Assessment

FullSerialNo

Version

Title

Final\_class

PI responsible

Division

Building

Lab\_No

Name of assessor

Approval\_date

Review date

## 1. Brief description of project

## 2a. Hazards to human health associated with the recipient microorganism

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2b. Hazards to human health arising directly from the inserted genetic material

2c. Hazards to human health arising indirectly from the inserted genetic material

2d. Hazards to human health arising from transfer of genetic material to a related

3. Assign a provisional containment level

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4a. Hazards to the environment associated with the recipient microorganism

4b. Hazards to the environment arising from the genetic material

5a. Brief description of nature of work (include maximum culture volumes)

5b. Is a microbiological safety cabinet or isolator required to protect the worker from aerosol transmission?

5c. Waste disposal

Critical waste processing criteria:

(a) Do ANY of the genetically modified microorganisms covered by this risk assessment have the potential to cause harm to human health or the environment?

- Yes
- No
- Don't know

(b) Do ALL the genetically modified microorganisms covered by this risk assessment qualify as biologically contained (e.g. possess multiple disabling mutations or restrictive nutrient requirements that cannot be met outside the laboratory)?

- Yes
- No
- Don't know

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(c) Do ANY of the genetically modified microorganisms covered by this risk assessment have the capacity to establish and multiply in the environment?

- Yes  
 No  
 Don't know

(d) Do ANY of the genetically modified microorganisms covered by this risk assessment have capacity to transfer genetic material to other micro-organisms (e.g. contain a mobilisable plasmid)?

- Yes  
 No  
 Don't know

5d. Are sharps required? Yes or no. If yes, justify use.

5e. If the work involves experimental infection of animals is it known if the animal will shed the GM microorganisms?

If yes, give details and measures to prevent exposure.

5f. If the work involves experimental infection of plants what is known about the likely route of transmission of the GM microorganisms?

5g. Where will the GM microorganism be stored?

5h. How will the GM microorganism be transported within/between buildings to minimise risk of spillage/escape?

5i. Will staff/students receive any vaccination or health surveillance? If yes, give details.

5j. Emergency plan, if required.

5k. Monitoring

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6. Final classification

Class 1    Class 2    Class 3

7. Additional information