



# University of Sheffield

## Local Genetic Modification Safety Committee

### THE GENETICALLY MODIFIED ORGANISMS (CONTAINED USE) REGULATIONS 2000

#### FURTHER DETAILS

<http://www.hse.gov.uk/biosafety/gmo/acgm/acgm31/paper6.pdf>

<http://www.hse.gov.uk/biosafety/gmo/acgm/acgmcomp/index.htm>

Risk Assessment Form (REV7 04/2008)

This form should be used for preliminary assessment of **all** GMM proposals and for local approval of Class 1 activities. Note that use of the “Brenner Scheme” is now discouraged.

If you believe aspects of your work should not be disclosed please complete your forms with reference to: <http://www.hse.gov.uk/biosafety/gmo/acgm/confid.htm>

Provide sufficient information for each table entry to justify your proposal.

Proposer:	Status (eg staff/PG):
Head of research group (This person is responsible for project):	Address of research laboratory
Telephone: Fax: E-mail:	
Title of project:	
Overview or aim of the project:	

<p>List all workers (staff and students) involved in the work, their status (eg PG, lecturer, technician, postdoc) and include date of GMM medical if known</p>	<p>Name Status Date of Medical</p> <p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p> <p>6.</p>
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Room and building where work will be carried out:

**Hazard identification in respect of human health & environment**

(<http://www.hse.gov.uk/dst/acgm27a.htm>, <http://www.hse.gov.uk/dst/acgm28b.htm#1>  
& <http://www.hse.gov.uk/hthdir/noframes/acgmcomp/2a.pdf>). Include:

- Hazards associated with the Host (note that separate assessments are required for each distinct host/vector system)
- Hazards associated with the Vector
- Hazards arising directly from the insert (origin, suspected function)
- Hazards arising from the alteration of existing pathogenic traits
- The potential hazards of sequences within the GMM being transferred to related organisms.
- Consideration of the likelihood that, in the event of exposure, the Final GMM could actually harm human health

<p>Estimate severity or consequences of any harmful effect were it to occur. Provisional Class and containment level. Include:</p> <ul style="list-style-type: none"> <li>• Hazard group of organism</li> <li>• Other pathogens</li> <li>• Will modification affect basic hazard classification?</li> </ul>	
<p>Environment and activity considerations (<a href="http://www.hse.gov.uk/dst/acgm27e.htm">http://www.hse.gov.uk/dst/acgm27e.htm</a>). Include:</p> <ul style="list-style-type: none"> <li>• Likelihood of hazards</li> <li>• Scale of work</li> <li>• Control measures and waste disposal routes to be used to protect the environment</li> </ul> <p>(<a href="http://www.hse.gov.uk/hthdir/noframes/acgmcomp/3a3.pdf">http://www.hse.gov.uk/hthdir/noframes/acgmcomp/3a3.pdf</a> &amp; <a href="http://www.hse.gov.uk/dst/acgm29c.htm#4">http://www.hse.gov.uk/dst/acgm29c.htm#4</a>)</p> <ul style="list-style-type: none"> <li>• Methods used to validate inactivation of waste prior to leaving premises (eg source of chemical kill data and its applicability to hazard and associated organic elements or autoclave testing programme)</li> </ul> <p>(<a href="http://www.hse.gov.uk/dst/acgm29c.htm#2">http://www.hse.gov.uk/dst/acgm29c.htm#2</a>)</p> <ul style="list-style-type: none"> <li>• Revision of containment</li> <li>• Check that hazards controlled by containment</li> </ul>	
<p>Assign final activity Class. Compare containment and control measures to control the risk as detailed in Schedule 8 (<a href="http://www.hse.gov.uk/dst/acgm27g.htm">http://www.hse.gov.uk/dst/acgm27g.htm</a>). All non-Class 1 activities must be notified on the appropriate form (<a href="http://www.hse.gov.uk/dst/conduct.doc">http://www.hse.gov.uk/dst/conduct.doc</a>).</p>	
Date of proposal	
<p><b>The Group head is responsible for ensuring that all workers involved in this project are proficient in the proposed techniques or ensuring that inexperienced workers will be supervised throughout training.</b></p>	
<p>Signed by      Proposer:                          Group head:                          Head of Department:                          Departmental BSO</p>	

### INFORMATION SOURCES

Search the HSE site for GMM regulations and ACGM newsletters

<http://www.hse.gov.uk/hsehome.htm>

**APPROVAL**

This project has been considered and approved by the Local Genetic Modification Safety Committee of which I am the chairman.

Signed by ..... Date .....