**Biosafety Considerations & risk assessment for working with lentivirus**

**Use of \_\_\_\_\_\_ plasmid derived lentivirus vector encoding\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**in/against \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

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| **Vector Considerations** | | | |
| **Potential for generation of RCL (replication competent lentivirus)** | **yes** | **no** | **Number/remarks(details)** |
| Vector and packaging functions separated onto multiple plasmids (how many) |  |  |  |
| Deletion of viral genes |  |  |  |
| Are the plasmids of a commercial source (detail) |  |  |  |
| **Viral Env used in packaging system** |  |  |  |
| Non-native Env (decrease potential for generation of RCL) |  |  |  |
| Coat protein that increases species or cell type tropism of parent virus (e.g., VSV-G) |  |  |  |
| **Safety modifications (e.g., no expression of Tat)** |  |  |  |
| detail |  |  |  |
| **Transgene Considerations** |  |  |  |
| Oncogene/ Toxin/ Biological active |  |  |  |
| **Vector Generation Considerations** |  |  |  |
| Laboratory scale |  |  |  |
| Large scale |  |  |  |
| **Animal Research Considerations** |  |  |  |
| Permissive host |  |  |  |
| Animal engrafted with permissive cells |  |  |  |
| Vector Administration (e.g., injection) |  |  |  |
| Housing and husbandry (use of sharps) |  |  |  |
| **Practices, Containment Equipment and Training Considerations** |  |  |  |
| Training in use of PPE (personal protecting equipment) |  |  |  |
| Availability of safety equipment (e.g., sealed centrifuge rotor cups)  • Laboratory |  |  |  |
| Laboratory-specific safety and spill cleanup protocols |  |  |  |
| Availability of on-site occupational health support in the event of accident |  |  |  |

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| Name: | Title: |
| Signature: | Date: |
| Department: | Faculty |

**Biological Safety Office, : 640-9966**