

The University of Texas at El Paso

**Institutional Biosafety Committee**

**Appendix A Form**

*Instructions:* Forms need to be completed and submitted via [IRBNet](http://www.irbnet.org/) on the 1st of every month. Submissions entered after the two weeks from the meeting date will be considered for review at the following meeting. Meeting dates are posted on the [IBC website](http://research.utep.edu/Default.aspx?tabid=58993). Any questions contact the IBC office at [ibc@utep.edu](mailto:ibc@utep.edu).

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| **A.** **APPENDIX A: Viral Vectors**  *See also, the NIH guidance document, Biosafety Considerations for Research with viral vectors,*  [*https://auth.osp.od.nih.gov/sites/default/files/Lenti\_Containment\_Guidance\_1.pdf*](https://auth.osp.od.nih.gov/sites/default/files/Lenti_Containment_Guidance_1.pdf) | | | |
| **Question:** | **Agent:** | **Agent:** | **Agent:** |

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| **A.1 What type of viral vectors will each agent use:** | **Lentivirus/ lentivector**  **Adenoviral Vectors, Adenovirus or Adeno-associated virus/vector**  **Retroviral vectors or retrovirus**  **Is it considered replication competent?**  **NO**  **YES**  **Other virus/vector: Describe:** | **Lentivirus/ lentivector**  **Adenoviral Vectors, Adenovirus or Adeno-associated virus/vector**  **Retroviral vectors or retrovirus**  **Is it considered replication competent?**  **NO**  **YES**  **Other virus/vector: Describe:** | **Lentivirus/ lentivector**  **Adenoviral Vectors, Adenovirus or Adeno-associated virus/vector**  **Retroviral vectors or retrovirus**  **Is it considered replication competent?**  **NO**  **YES**  **Other virus/vector: Describe:** |
| **A.2 How will you acquire the viral vector:** | **The viral vector will be produced in my laboratory. List any host systems, helper viruses or packaging cells to be used:**  **The viral vector will be obtained from outside supplier/vendor. Provide source:** | **The viral vector will be produced in my laboratory. List any host systems, helper viruses or packaging cells to be used:**  **The viral vector will be obtained from outside supplier/vendor. Provide source:** | **The viral vector will be produced in my laboratory. List any host systems, helper viruses or packaging cells to be used:**  **The viral vector will be obtained from outside supplier/vendor. Provide source:** |
| **A.3 Where will the experiments involving the use of viral vectors be performed?** (List all locations applicable and specify building and room number): |  |  |  |
| **A.4 Describe the nature of the vector system and the potential for regeneration of replication competent virus from the vector components.** | Describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk. | Describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk. | Describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk. |
| **A.5 Describe the nature of the transgene insert** (e.g., known oncogenes or genes with high oncogenic potential may merit special care). |  |  |  |
| **A.6 Describe the anticipated vector titer and anticipated total amount of vector to be produced.** |  |  |  |
| **A.7 Describe the procedure for how the viral vector will be concentrated? Include safety procedure(s) to minimize risk.** |  |  |  |
| **A.8 How many batches will be produced from the original production batch** (more than one batch increases the probability of having a homologous recombination event occur)**?** |  |  |  |
| **A.9 Describe the inherent biological containment of the animal host, if relevant.** |  |  |  |
| **A.10 Will needles, glassware or other sharps be used while working with risk group 2 organisms?** | **NO**  **YES**  If **yes** describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk | **NO**  **YES**  If **yes** describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk | **NO**  **YES**  If **yes** describe what precautions will be taken by the PI and lab personnel to minimize the exposure risk |
| **A.11** **Describe the potential for insertional mutagenesis in case of accidental needle stick.** |  |  |  |
| **A.12 Provide agents Safety Data Sheet (SDS) and Plasmid Maps if available, upload into IRBNet or with application (Formerly known as Material Safety Data Sheets [MSDS]).** | | | |