

Adenovirus Full-Registration and Biosafety Form

All use of adenovirus vectors at O.D.260 Inc must be approved by the Scientific Research review Committee (SRRC) through the registration process. Please note that the NIH guidelines, to which the SRRC adheres, stipulate that review and approval of any project must be obtained before O.D.260 Inc. can begin work.

TO REGISTER:

- Please complete ALL sections of the registration form below (ONE FORM PER VIRUS)
- Fax, mail or email the form to us.
- O.D.260 Inc. will contact you verifying your submission and give you a tentative approval date for your project. If you have any question about this form please contact us at info@od260.com or call us at (208)345-7369.

AN IMPORTANT NOTE ON HANDLING ADENOVIRUS:

Adenovirus is an infectious respiratory virus and its use as a genetic vector requires the use of adequate containment equipment and practices. Biosafety Level 2 (BL2) is appropriate for most customers; however, for some, use of BL3 or higher level containment facility may be required. Please note that O.D.260 Inc will not carry out projects that require BL3 (or higher) containment.

1. Contacts

First Name:

Last Name:

Title:

Organization:

Department:

Address:

Phone:

Fax:

Email:

2. The Service

2.1. What service are you interested in? (e.g. virus construction, amplification, titration, ...)

2.2. Proposed title for your project (include virus name):

3. Your Gene of Interest

3.1. What is the gene(s) to be cloned, including species from which it is derived, and nature of the clone (e.g. genomic, cDNA, wild-type, mutant)?

3.2. Briefly describe the biological function of the protein(s) you want to express. Include its (their) normal function(s) and your specific goal. Please provide details of its (their) function relevant to Biosafety.

3.3. Explain what element(s) (promoter...) will control the expression of your gene.

- 3.4. Is your gene of interest involved in cell growth control (i.e. oncogene, tumor suppressor, growth factor, cytokine, inducer or inhibitor of apoptosis)? Might its expression result in tumor induction? Note that when adenovirus replication is blocked, as from a deletion of the E1 region, the viral chromosome may integrate with a host chromosome.
- 3.5. Can your gene of interest be converted to an oncogene or other pathogenic form by spontaneous mutation, e.g., during virus propagation?
- 3.6. Does your gene of interest encode a toxic product?
- 3.7. Does your gene of interest confer drug-resistance?
- 3.8. Does your gene of interest contain elements (promoter, coding sequence...) from any other virus (e.g. vaccinia, retrovirus, herpes...)?
- 3.9. In which plasmid vector will your gene of interest be provided? (virus construction only)

4. Your virus

- 4.1. What is the serotype of the adenovirus to be used?

Ad5

Ad2

Other:

- 4.2. If you are not using Ad5, state whether it is oncogenic and the reason for choosing it instead of Ad5. Please note that after reviewing this form we may also request from you a detailed map showing structures of the vector and the recombinant.
- 4.3. Please list the adenovirus genes that will be deleted from your vector (e.g. E1A, E1B, E3, E2A, E2B, E4...).
- 4.4. Have you tried, or do you know anybody or any company who has tried to make/amplify the same virus that you are asking us to make/amplify? Was it successful? If not, which method was used?

5. Your virus and the Environment

The following questions relate to the infectivity of your recombinant virus. Please consider these questions carefully. Remember that although your recombinant virus may not be able to replicate on its own, adenoviruses are common in the environment and are contagious. Co-infection with a wild-type virus may result in the spread of the recombinant through aerosols and/or feces.

- 5.1. Is the product of your gene of interest secreted from the cell? If so, might systemic expression of your gene product be hazardous to an individual?

- 5.2. What adverse effect might result from inhaling (or other exposure to) the recombinant virus containing your cloned gene? Adenovirus can infect the respiratory tract and the gut. If this would result in the expression of your gene in tissue(s) where it is normally not expressed, what effects might this have?

- 5.3. What containment level do you propose for this work?

BSL2 BSL3 other:

- 5.4. Does the work you are planning involve intentional release of recombinant organisms to the environment?

Mail or Fax the completed form to:

O.D.260 Inc
Adenovirus Cloning Services
P.O.Box 534
Boise, ID 83701
USA

Phone: (208)345-7369 - Fax: (208) 345-7569