



Principal Investigator: _____

**1. Host / Vector / Gene information. (If host is pathogenic, complete Form BS-1 also).
Check all that apply:**

Yes No Insertion of foreign DNA or RNA into a vector or organisms to clone or express it;

DNA or RNA to be cloned:

Yes No DNA or RNA is from a Risk Group (RG) 2 or RG 3 organism;

Yes No DNA or RNA represents more than two-thirds of the genome of a RG 1 or RG 2 organism;

Yes No DNA or RNA encodes a known oncogene;

Yes No DNA or RNA encodes toxin molecules with a LD50 of < 100 nanogram/kg of body weight;

2. Vector to be used to introduce foreign DNA or RNA into the host:

Yes No is from a RG 3 agent;

Yes No is a RG 1 or RG 2 virus that infects eukaryotic cells and contains more than two-thirds of the viral genome;

Host

Yes No is a cell or organism *other than* E.coli K-12, *Saccharomyces cerevisiae*, *Saccharomyces cerevisiae*, *Bacillus subtilis*, or *Bacillus licheniformis*;

3. Human Gene Transfer

Yes No the project will involved the deliberate transfer of recombinant DNA or RNA into one or more human subjects. (If yes, contact the Director, Research Risk Management, Office of Research).

4. Recombinant DNA Materials:

RECOMBINANT DNA MATERIALS			
Host Organism / Strain Number		Genotype	Risk Group (See Appendix B, NIH Guidelines)
H1			
H2			
H3			
H4			
Viral Vectors (if viral, indicate % of viral genome remaining) Examples: poxvirus, adenovirus, retrovirus, etc.			
	Name, Class, % genome	Replication competent	If replication deficient, explain mechanism
VV1			
VV2			
VV3			
VV4			
Other Vectors Class Examples: nonconjugative, conjugative, mobilizable, lamboid, F bacteriophage, etc.			
	Name and Class	Bacterial Host Range (Narrow range, e.g., E.coli and close relatives)	Extended Host Range (Broad range, e.g., E. Coli, yeast, mammalian, etc)
OV1			
OV2			
OV3			
OV4			
Vectors will be: <input type="checkbox"/> constructed in the lab; <input type="checkbox"/> purchased from a vendor <input type="checkbox"/> obtained elsewhere (specify):			

Inserted DNA Sources (specify nature / gene , e.g., genomic, cDNA, synthetic, coding or non-coding sequences and biological activity, e.g., structural protein, enzymatic protein, oncogene, toxin, cell growth, etc.)	
D1	
D2	
D3	
D4	
Helper Virus required:	
Foreign Gene Expression (specify protein, toxin, antigen, etc):	

5. This project involves a combination of host(s) and vector(s) that could lead to conjugal transfer of recombinant molecules: Yes No (If yes, explain):

6. This project involves greater than 10 L of cell culture: Yes No

7. Target recipient of vector-recombinant DNA combination (specify species or cell lines used):

Tissue culture: _____

Animals: _____

Plant cells: _____

Plants: _____

Gene therapy
(specify host) : _____

DNA vaccine
(specify target recipient) : _____

8. Physical Containment Level (see Appendix G, NIH Guidelines): _____

9. This project involves the use of Biological Containment: Yes No
Explain:

Biological Containment Level (see Appendix I, NIH Guidelines): _____

10. Will the recombinant DNA be deliberately released into the environment?
 Yes No (If yes, contact the Director, Research Risk Management, Office of Research)

11. References. Note any references that may support this application.