

## Transgenic Animals and Plants

# Do I Need IBC Approval?

Activity (not an inclusive list)	IBC Approval Required -- full committee review at a monthly meeting	IBC Approval Required -- review by IBC Chair on behalf of committee	No IBC Approval Required
<b>Transgenic Rodents</b>			
Purchasing <b>an existing line</b> of transgenic rodents from a commercial vendor or repository (e.g. Jackson Labs) that can be housed at BL-1 containment			X
Purchasing <b>an existing line</b> of transgenic rodents from a commercial vendor or repository (e.g. Jackson Labs) <i>requiring BL-2 (or higher) containment</i>	X		
The transfer of transgenic rodents (from one PI to another) that can be housed at BL-1 containment			X
The transfer of transgenic rodents (from one PI to another) <i>requiring BL-2 (or higher) containment</i>	X		
Breeding rodents from one strain (propagation/colony maintenance) at BL-1 containment			X
Breeding rodents from one strain (propagation/colony maintenance) <i>requiring BL-2 (or higher) containment</i>	X		
Breeding two transgenic rodents to create a new transgenic strain that can be housed at BL-1 containment ( <b>see Note A</b> )			X
Breeding of a transgenic rodent and a non-transgenic rodent to create a new transgenic strain that can be housed at BL-1 containment ( <b>see Note A</b> )			X
Breeding rodents from two different strains to create a new transgenic strain <i>requiring BL-2 (or higher) containment</i>	X		
Creation of new transgenic rodents as a fee for service (e.g. TIGM, Biocytogen, Cyagen, Taconic Biosciences, Applied StemCell, etc.) ( <b>see Note B</b> )	X		
<b>Transgenic Animals (other than rodents, including insects)</b>			
Purchase, transfer, breeding and creation of transgenic animals	X		
<b>Transgenic Plants</b>			
Experiments involving nucleic acid molecule-modified whole plants	X		
Experiments involving recombinant or synthetic nucleic acid molecule-modified organisms associated with whole plants	X		
Creation of modified plants using biolistic bombardment		X	
Transgenic plants created by <i>Agrobacterium</i> -mediated transformation	X		

**Note A:** No IBC approval needed provided:

1. Both parental rodents can be housed at BSL-1 containment **and**
2. Neither parental transgenic rodent contains the following genetic modifications:
  - a. Incorporation of more than one-half of the genome of an exogenous eukaryotic virus from a single family of viruses
  - b. Incorporation of a transgene that is under the control of a gammaretroviral long terminal repeat (LTR) **and**
  - c. The transgenic rodent that results from this breeding is not expected to contain more than one-half of an exogenous viral genome from a single family of viruses

**Note B:** Either the company **OR** the researcher must have IBC approval, prior to the generation of the new rodent.