

Do I Need IBC Approval?

Agent / Scope (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
Cloning and protein expression in <i>E. coli</i> K-12 derived strains (includes DH5a, Hrf strains, SURE, TOP10, etc.)		X*	
Cloning and protein expression in non K-12 strains of <i>E. coli</i> (includes B, BL21, Rosetta, etc.)	Х		
Cloning and protein expression in Saccharomyces and Kluyveromyces host-vector systems		Х*	
Cloning and protein expression in <u>asporogenic</u> Bacillus subtilis and B. licheniformis host-vector systems		Х*	
Cloning and protein expression in spore-forming Bacillus subtilis	X		
Cloning and protein expression in bacteria, viruses, fungi, protozoans, etc.	Х		
Wild-type bacteria, viruses, fungi and protozoans pathogenic or potentially pathogenic to humans, animals and plants		X*	
Animal cells and cell lines/tissue/blood from uninfected			
animals* (includes rodent and insect cell lines)			X
*These cells may not be recombinantly modified to retain exempt status. Human and non-human primate cells and cell lines, tissue,			
blood* (*Provided these materials are not recombinantly modified.)		X*	
Animal and human cells and cell lines, including non-human primate cells and cell lines (transfected)		X*	
Animal and human cells and cell lines, including non-human primate cells and cell lines (transduced with viral vectors)	X*		
Viral vectors (e.g. Lentiviral, retroviral, baculoviral, adenoviral, adeno-associated viral vectors, etc.)	X*		
Plant pathogens (including local, i.e. Texas, isolates)		X*	
Toxins of biological origin (e.g. aflatoxin, pertussis)		X*	
Activities involving gene editing systems (e.g. CRISPR/Cas9, TALENS, etc.)	X**		
Large-scale experiments (greater than 10 liters of culture in a single vessel)	X		
Materials requiring federal transport/import permits		X*	
Experiments involving the introduction of synthetic nucleic acids (e.g. siRNA, microRNA, morpholinos, antisense oligonucleotides) into animals (e.g. rodents, zebrafish, drosophila, pigs, etc.)		Х*	
Experiments involving the introduction of recombinant material into animals or plants, including creation or use of genetically modified animals or plants	X*		

^{*:} some exceptions may apply **: depends on method of delivery