

# REGULATED AND NON-REGULATED BIOLOGICAL MATERIALS

MATERIAL	WHAT IS KNOWN OR EXPECTED	CLASSIFICATION (A, B, EXEMPT* GMO OR NR)
Bacterial/Viral culture	Non-pathogen, non-recombinant, RG1	NR
Bacterial/Viral culture	Non-pathogen, recombinant, RG1 capable of altering or transforming other organism (not found in nature)	GMO
Bacterial Viral Culture	Pathogen, RG2 not on indicative list	B
Bacterial/Viral Culture	RG3/RG4 or an indicative list	A
Human/Animal Blood, Body Fluids, Tissue, parts, etc.	Suspected RG4 virus	A
Human/Animal Blood, Body Fluids, Tissue, parts, etc.	Suspected RG2 or RG3 pathogen	B
Human/Animal Blood, Body Fluids, tissue, parts, etc.	Minimal likelihood of pathogen, known medical history	Exempt*
Human/Animal Blood, Body Fluids, tissue, parts, etc.	Treated to render non-infectious (e.g. formalin fixed)	NR
Human or Animal cell line	(Pathogen Free-Documented), minimal likelihood	NR
Human or Animal cell line	(Pathogen Free-Not Documented)	Exempt*
Purified Protein	Not a Prion	NR
Purified DNA/RNA	Not including whole genome viral DNA/RNA	NR
Cell Culture media	Sterile/Cell Free	NR
Viral Vector	Not replication Competent (Rep-) Active viral prep, capable of transduction. Nonhazardous transgene. (if transgene is hazardous, consider Category A or B)	GMO
Dry Ice (Class 9)		Regulated
Other Classes of Dangerous Goods		Regulated

Only considered exempt when triple packaged and marked. "Exempt Human Specimen" or Exempt Animal Specimen" as appropriate.

**NR** - Not Regulated

**RG** - Risk Group (Refer to NIH Guidelines)

**GMO** - Genetically Modified Organisms [**REGULATED-Class 9 (Miscellaneous)**]

**A-** Category A Shipments (Proper Name: Infectious Substance Affecting Humans or Infectious Substance Affecting Animals) [**REGULATED**]

**B-** Category B Shipments (Proper Shipping Name: Biological Substance, Category B) [**REGULATED**]

**Exempt Human and Animal specimens are considered dangerous goods by IATA until they meet three criteria:**

1. A professional determination has been made that the material has a "minimal likelihood:" of containing any pathogens (Need Appropriate Training to meet this criteria)
2. They are triple packaged
3. The package is marked "Exempt Human or Animal Specimens"