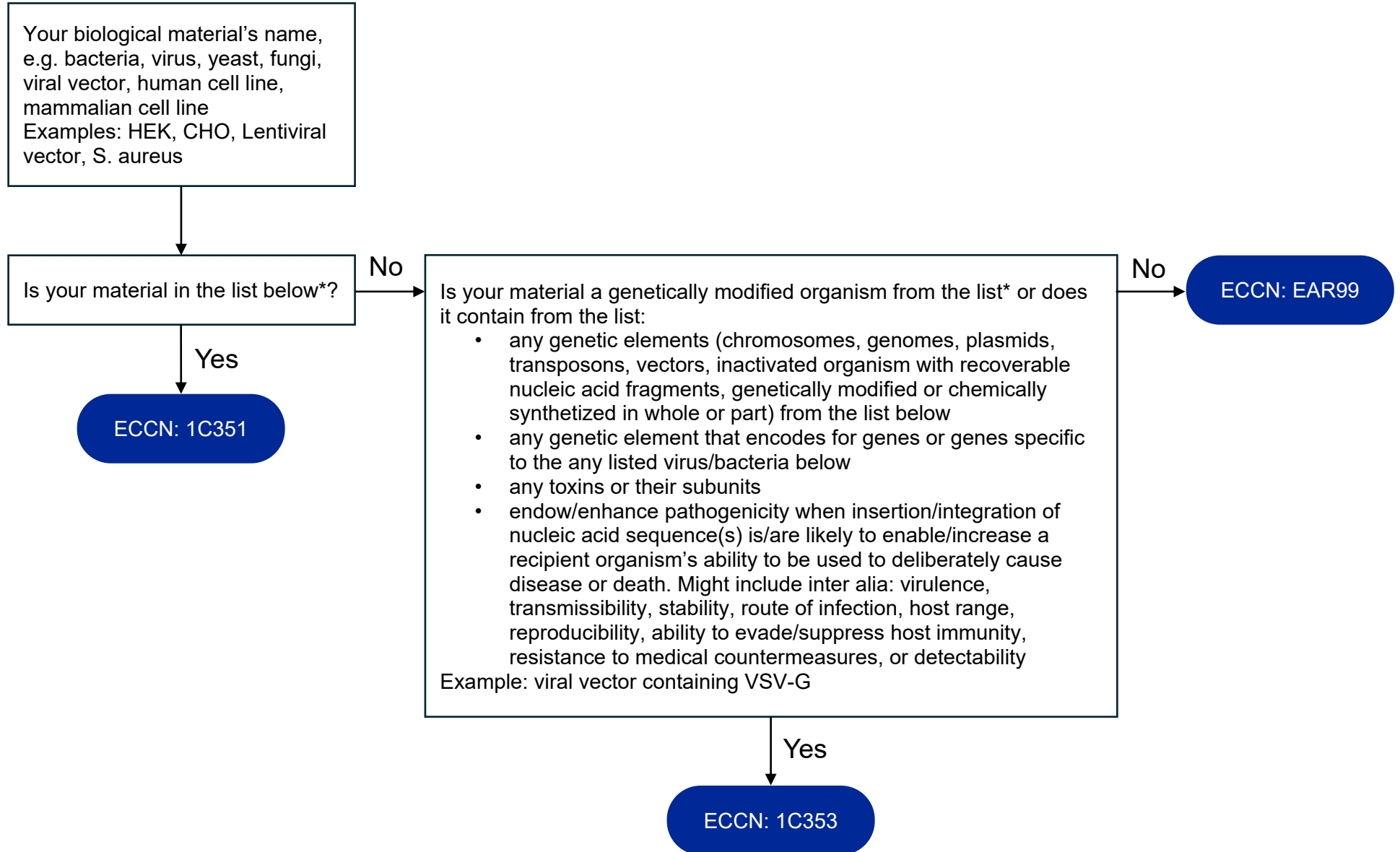


## Human and animal materials, e.g., bacteria, viruses, yeast, fungi, viral vectors, cell lines



\*Human and Animal Pathogens including “toxins”, ECCN: 1C351

Viruses

Name	ECCN
African horse sickness virus*	1C351.a.1
African swine fever virus*	1C351.a.2
Andes virus	1C351.a.3
Avian influenza (AI) that have intravenous pathogenicity index (IVPI) in a 6 wk-old chicken greater than 1.2*	1C351.a.4.a
AI viruses that cause at least 75% mortality in 4- to 8-week-old chickens infected intravenously*	1C351.a.4.b
Avian influenza (AI) viruses of H5 or H7*	1C351.a.4
Bluetongue virus	1C351.a.5
Chapare virus*	1C351.a.6
Chikungunya virus	1C351.a.7
Choclo virus	1C351.a.8
Classical swine fever virus (hog cholera virus)	1C351.a.9
Crimean-Congo hemorrhagic fever virus*	1C351.a.10
Dobrava-Belgrade virus	1C351.a.11
Eastern equine encephalitis virus (EEE)*	1C351.a.12
Ebola virus (includes all members of the Ebolavirus genus) *	1C351.a.13
Foot-and-mouth disease virus*	1C351.a.14
Goatpox virus*	1C351.a.15
Guanarito virus*	1C351.a.16
Hantaan virus	1C351.a.17
Hendra virus (Equine morbillivirus) *	1C351.a.18
Japanese encephalitis virus	1C351.a.19
Junin virus*	1C351.a.20
Kyasanur Forest disease virus*	1C351.a.21
Laguna Negra virus	1C351.a.22
Lassa virus*	1C351.a.23
Louping ill virus	1C351.a.24
Lujo virus*	1C351.a.25
Lumpy skin disease virus*	1C351.a.26
Lymphocytic choriomeningitis virus	1C351.a.27
Machupo virus*	1C351.a.28
Marburgvirus (includes all members of the Marburgvirus genus) *	1C351.a.29
Middle East respiratory syndrome-related coronavirus (MERS-related coronavirus)	1C351.a.30

Name	ECCN
Monkeypox virus*	1C351.a.31
Murray Valley encephalitis virus	1C351.a.32
Newcastle disease virus*	1C351.a.33
Nipah virus*	1C351.a.34
Omsk hemorrhagic fever virus*	1C351.a.35
Oropouche virus	1C351.a.36
Peste-des-petits ruminants virus*	1C351.a.37
Porcine Teschovirus	1C351.a.38
Powassan virus	1C351.a.39
Rabies virus and all other members of the Lyssavirus genus*	1C351.a.40
Reconstructed 1918 influenza virus including reconstructed replication competent forms of 1918 influenza containing any portion of the coding regions or all 8 gene segments*	1C351.a.41
Rift Valley fever virus*	1C351.a.42
Rinderpest virus*	1C351.a.43
Rocio virus	1C351.a.44
Sabia virus*	1C351.a.45
Seoul virus	1C351.a.46
Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus) *	1C351.a.47
Sheeppox virus*	1C351.a.48
Sin Nombre virus	1C351.a.49
St. Louis encephalitis virus	1C351.a.50
Suid herpesvirus 1 (Pseudorabies virus; Aujeszky's disease)	1C351.a.51
Swine vesicular disease virus*	1C351.a.52
Tick-borne encephalitis virus (Far Eastern subtype, aka Russian Spring-Summer encephalitis) *	1C351.a.53
Variola virus*	1C351.a.54
Venezuelan equine encephalitis virus (VEE)*	1C351.a.55
Vesicular stomatitis virus (VSV)*	1C351.a.56
Western equine encephalitis virus (WEE)*	1C351.a.57
Yellow fever virus*	1C351.a.58
Tick-borne encephalitis virus (Siberian subtype, aka West Siberian virus)	1C351.b.3

## Bacteria

Name	ECCN
Bacillus anthracis*	1C351.c.1
Brucella abortus*	1C351.c.2
Brucella melitensis*	1C351.c.3
Brucella suis*	1C351.c.4
Burkholderia mallei (Pseudomonas mallei) *	1C351.c.5
Burkholderia pseudomallei (Pseudomonas pseudomallei) *	1C351.c.6
Chlamydia psittaci (Chlamydophila psittaci)	1C351.c.7
Clostridium argentinense (aka Clostridium botulinum neurotoxin type G); botulinum neurotoxin producing strains*	1C351.c.8
Clostridium baratii, botulinum neurotoxin producing strains*	1C351.c.9
Clostridium botulinum*	1C351.c.10
Clostridium butyricum botulinum neurotoxin producing strains*	1C351.c.11
Clostridium perfringens, epsilon toxin producing types	1C351.c.12
Coxiella burnetii	1C351.c.13
Francisella tularensis*	1C351.c.14
Mycoplasma capricolum subspecies capripneumoniae (“strain F38”)*	1C351.c.15
Mycoplasma mycoides subspecies SC (small colony) aka contagious bovine pleuropneumonia*	1C351.c.16
Rickettsia prowazekii*	1C351.c.17
Salmonella enterica subspecies enterica serovar Typhi (Salmonella typhi)*	1C351.c.18
Shiga toxin producing E. coli (STEC) of serogroups O26, O45, O103, O104, O111, O121, O145, O157 and other shiga toxin producing serotypes *	1C351.c.19
E. coli enterohaemorrhagic (EHEC)*	1C351.c.19
E. coli verotoxin producing (VTEC)*	1C351.c.19
E. coli verocytotoxin producing (VTEC)*	1C351.c.19
Shigella dysenteriae	1C351.c.20
Vibrio cholerae	1C351.c.21
Yersinia pestis*	1C351.c.22

## Toxins

Name	ECCN
Abrin*	1C351.d.1
Aflatoxins	1C351.d.2
Botulinum toxins, including botox*	1C351.d.3
Brevetoxins	1C351.d.4
Clostridium perfringens alpha, beta 1, beta 2, epsilon and iota toxins*	1C351.d.5
Conotoxins*	1C351.d.6
Diacetoxyscirpenol (DAS)*	1C351.d.7
Gonyautoxins	1C351.d.8
HT-2 toxin*	1C351.d.9
Microcystins (Cyanoginosins)	1C351.d.10
Modeccin	1C351.d.11
Neosaxitoxin (NEO)	1C351.d.12
Nodularins	1C351.d.13
Palytoxin	1C351.d.14
Ricin*	1C351.d.15
Saxitoxin*	1C351.d.16
Shiga toxins (shiga-like toxins, verotoxins, verocytotoxins)	1C351.d.17
Staphylococcus aureus enterotoxins, hemolysin alpha toxin, toxic shock syndrome toxin (aka S. enterotoxin F, TSST)*	1C351.d.18
T-2 toxin*	1C351.d.19
Tetrodotoxin (TTX)*	1C351.d.20
Viscumin (Viscum album lectin 1)	1C351.d.21
Volkensin	1C351.d.22

## Fungi

Name	ECCN
Coccidioides immitis	1C351.e.1
Coccidioides posadasii	1C351.e.2

- Highlighted viruses, bacteria, toxins – are/has been used on MIT main campus including exemption under Select Agent Toxin Program
- \*Denotes: Select Agent or Select Toxin