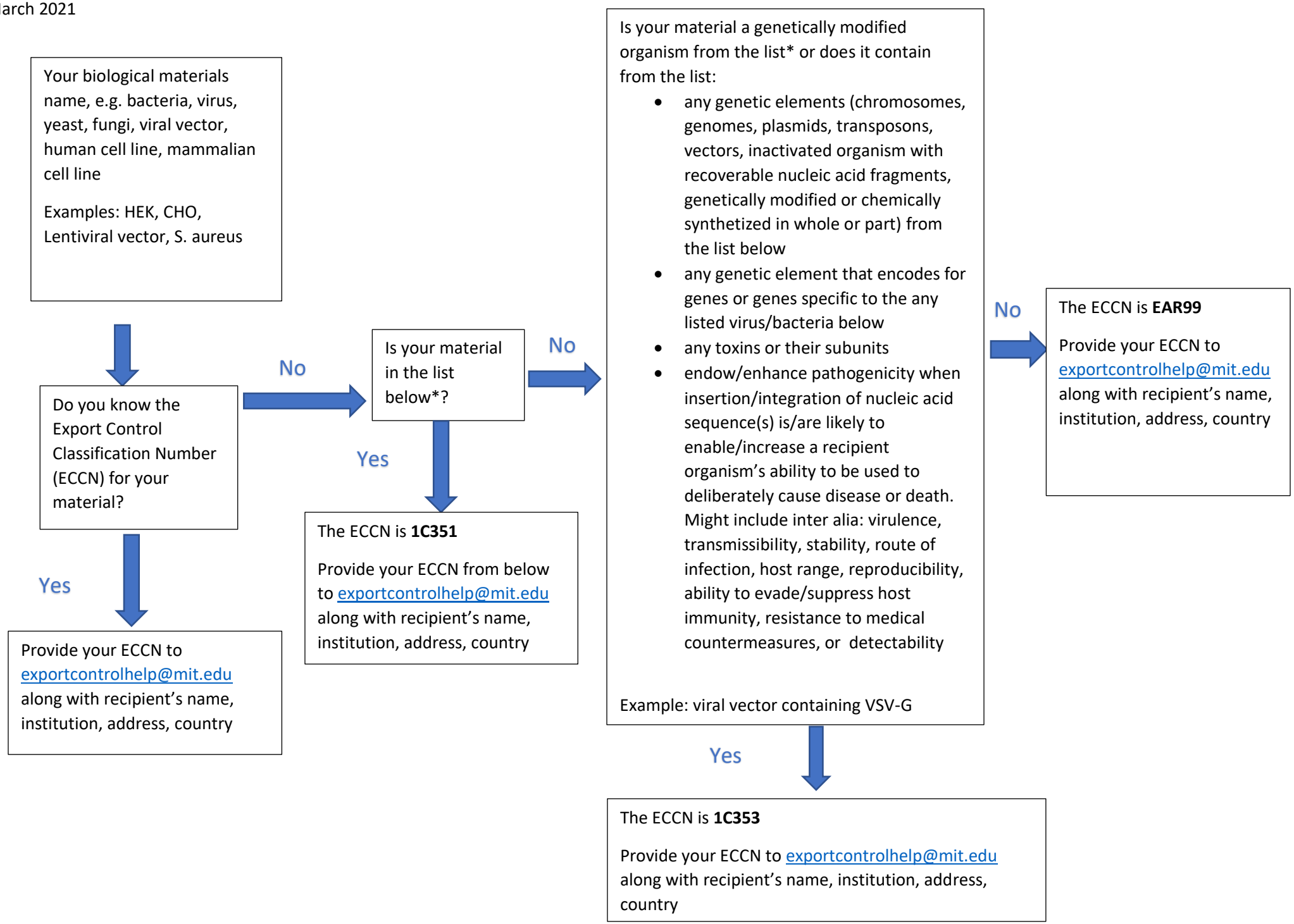
HUMAN AND ANIMAL MATERIALS, E.G. BACTERIA, VIRUSES, YEAST, FUNGI, VIRAL VECTORS, CELL LINES

March 2021



*Human and Animal Pathogens including "toxins", ECCN: 1C351

Highlighted viruses, bacteria, toxins – are/has been used on MIT main campus including exemption under Select Agent Toxin Program

Name	ECCN	Name	ECCN	Name	ECCN
VIRUSES		Oropouche virus	1C351.a.36	Coxiella burnetti	1C351.c.13
African horse sickness virus*	1C351a.1	Peste-des-petits ruminants virus*	1C351.a.37	Francisella tularensis*	1C351.c.14
African swine fever virus*	1C351a.2	Porcine Teschovirus	1C351.a.38	Myoplasma capricolum subspecies capripneumoniae ("strain F38") *	1C351.c.15
Andes virus	1C351a.3	Powassan virus	1C351.a.39	Mycoplasma mycoides subspecies SC (small colony) aka contagious bovine pleuropneumonia*	1C351.c.16
Avian influenza (AI) that have intravenous pathogenticity index (IVPI) in a 6 wk-old chicken greater than 1.2*	1C351a.4.a	Rabies virus and all other members of the Lyssavirus genus*	1C351.a.40	Rickettsia prowazekii*	1C351.c.17
AI viruses that cause at least 75% mortality in 4- to 8-week-old chickens infected intravenously*	1C351a.4.b.	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	Salmonella enterica subspecies enterica serovar Typhi (Salmonella typhi)*	1C351.c.18
Avian influenza (AI) viruses of H5 or H7*	1C351.a.4	Rift Valley fever virus*	1C351.a42	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
Bluetongue virus	1C351.a.5	Rinderpest virus*	1C351.a.43	E. coli enterohaemorrhagic (EHEC)*	1C351.c.19
Chapare virus*	1C351a.6	Rocio virus	1C351.a.44	E. coli veroxin producing (VTEC)*	1C351.c.19
Chikungunya virus	1C351.a.7	Sabia virus*	1C351.a.45	E. coli verocytotoxin producing (VTEC)*	1C351.c.19
Choclo virus	1C351.a.8	Seoul Virus	1C351.a.46	Shigella dysenteriae	1C351.c.20
Classical swine fever virus (hog cholera virus)	1C351.a.9	Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus) *	1C351.a.47	Vibrio cholerae	1C351.c.21
Crimean-Congo hemorrhagic fever virus*	1C351.a.10	Sheep pox virus*	1C351.a.48	Yersinia pestis*	1C351.c.22
Dobrava-Belgrade virus	1C351.a.11	Sin Nombre virus	1C351.a.49		
Eastern equine encephalitis virus (EEE)*	1C351.a.12	St. Louis encephalitis virus	1C351.a.50	**TOXINS**	
Ebola virus (includes all members of the Ebolavirus genus) *	1C351.a.13	Suid herpesvirus 1 (Pseudorabies virus; Aujeszky's disease)	1C351.a.51	Abrin*	1C351.d.1
Foot-Mouth disease virus*	1C351.a.14	Swine vesicular disease virus*	1C351.a.52	Aflatoxins	1C351.d.2
Goatpox virus*	1C351.a.15	Tick-borne encephalitis virus (Far Eastern subtype, aka Russian Spring-Summer encephalitis) *	1C351.a.53	Botulinum toxins, including botox*	1C351.d.3
Guanarito virus*	1C351.a.16	Variola virus*	1C351.a.54	Cholera toxin	1C351.d.4
Hantaan virus	1C351.a.17	Venezuelan equine encephalitis virus (VEE)*	1C351.a.55	Clostridium perfringens alpha, beta 1, beta 2, epsilon and iota toxins*	1C351.d.5
Hendra virus (Equine morbillivirus) *	1C351.a.18	Vesicular stomatitis virus (VSV)*	1C351.a.56	Conotoxins*	1C351.d.6
Japanese encephalitis virus	1C351.a.19	Western equine encephalitis virus (WEE)*	1C351.a.57	Diacetoxyscirpenol (DAS)*	1C351.d.7
Junin virus*	1C351.a.20	Yellow fever virus*	1C351.a.58	HT-2 toxin*	1C351.d.8
Kyasanur Forest disease virus*	1C351.a.21	Tick-borne encephalitis virus (Siberian subtype, aka West Siberian virus)	1C351.b.3	Mycrocystins (Cyanoginosins)	1C351.d.9
Laguna Negra virus	1C351.a.22			Modeccin	1C351.d.10
Lassa virus*	1C351.a.23	**BACTERIA**		Ricin)*	1C351.d.11
Louping ill virus	1C351.a.24	Bacillus anthracis*	1C351.c.1	Saxitoxin*	1C351.d.12
Lujo virus*	1C351.a.25	Brucella abortus*	1C351.c.2	Shiga toxins (shiga-like toxins, verotoxins, verocytotoxins)	1C351.d.13
Lumpy skin disease virus*	1C351.a.26	Brucella melitensis*	1C351.c.3	Staphylococcus aureus enterotoxins, hemolysin alpha toxin, toxic shock syndrome toxin (aka S. enterotoxin F, TSST) *	1C351.d.14
Lymphocytic choriomengingitis virus	1C351.a.27	Brucella suis*	1C351.c.4	T-2 toxin)*	1C351.d.15
Machupo virus*	1C351.a.28	Burkholderia mallei (Pseudomonas mallei) *	1C351.c.5	Tetrodotoxin (TTX))*	1C351.d.16
Marburgvirus (includes all members of the Marburgvirus genus) *	1C351.a.29	Burkholderia psudomallei (Pseudomonas pseudomallei) *	1C351.c.6	Viscumin (Viscum album lectin 1)	1C351.d.17
Middle East respiratory syndrome-related coronavirus (MERS-related coronavirus)	1C351.a.30	Chlamydia psittaci (Chlamydophila psittaci)	1C351.c.7	Vokensin	1C351.d.18

Monkeypox virus*	1C351.a.31	Clostridium argentinense (aka Clostridium botulinum neurotoxin type G); botulinum neurotoxin producing strains*	1C351.c.8		
Murray Valley encephalitis virus	1C351.a.32	Clostridium baratii, botulinum neurotoxin producing strains*	1C351.c.9	**FUNGI**	
Newcastle disease virus*	1C351.a.33	Clostridium botulinium*	1C351.c.10	Coccidioides immitis	1C351.e.1
Nipah virus*	1C351.a.34	Clostridium butyricum botulinum neurotoxin producing strains*	1C351.c.11	Coccidioides posadasii	1C351.e.2
Omsk hemorrhagic fever virus*	1C351.a.35	Clostridium perfingens, epsilon toxin producing types	1C351.c.12		

*Denotes: Select Agent or Select Toxin

- Export Control Classification Number (EECN) ;1C351 Human and Animal Pathogens including toxins as of 06/17/2020
- 1C351 Human and animal pathogens and “toxins”, excludes vaccines covered under 1C991; 1C353 Genetic elements and genetically-modified organisms

For the most up-to-date ECCN list, please visit https://www.bis.doc.gov/index.php/regulations/export-administration-regulations-ear

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