



## VUMC Export Compliance

### Export-Controlled & Restricted Bacteria

#### Bacteria

- Bacillus anthracis;
- Brucella abortus;
- Brucella melitensis;
- Brucella suis;
- Burkholderia mallei (Pseudomonas mallei);
- Burkholderia pseudomallei (Pseudomonas pseudomallei);
- Chlamydia psittaci (Chlamydophila psittaci);
- Clavibacter michiganensis subspecies sepedonicus (syn. Corynebacterium michiganensis subspecies sepedonicum or Corynebacterium sepedonicum);
- Clostridium argentinense (formerly known as Clostridium botulinum Type G), botulinum neurotoxin producing strains;
- Clostridium baratii, botulinum neurotoxin producing strains;
- Clostridium botulinum;
- Clostridium butyricum, botulinum neurotoxin producing strains;
- Clostridium perfringens, epsilon toxin producing types;
- Coxiella burnetii;
- Francisella tularensis;
- Mycoplasma capricolum subspecies capripneumoniae ("strain F38");
- Mycoplasma mycoides subspecies mycoides SC (small colony) (a.k.a. contagious bovine pleuropneumonia);
- Ralstonia solanacearum, race 3, biovar 2;
- Raythayibacter toxicus
- Rickettsia prowazekii;
- Salmonella enterica subspecies enterica serovar Typhi (Salmonella typhi);
- Shiga toxin producing Escherichia coli (STEC) of serogroups O26, O45, O103, O104, O111, O121, O145, O157, and other shiga toxin producing serogroups;
  - Note: Shiga toxin producing Escherichia coli (STEC) includes, inter alia, enterohaemorrhagic E. coli (EHEC), Verotoxin producing E. coli (VTEC) or Verocytotoxin producing E. coli (VTEC)
- Shigella dysenteriae;
- Vibrio cholerae; or
- Xanthomonas albilineans;
- Xanthomonas axonopodis pv. citri (Xanthomonas campestris pv. citri A) (Xanthomonas campestris pv. citri);
- Xanthomonas oryzae
- Yersinia pestis

#### Vaccines & Immunotoxins

- Vaccines against items above;
- Immunotoxins containing items above;
- Medical products containing toxins (e.g. botulinum toxin, conotoxin, etc.)
- Diagnostic and food testing kits containing items above

**NOTE:** Genetic elements or Genetically Modified Organisms from any of the categories above are also controlled.

*"Genetic Elements" include, inter alia, chromosomes, genomes, plasmids, transposons, vectors, and inactivated organisms containing recoverable nucleic acid fragments, whether genetically modified or unmodified, or chemically synthesized in whole or in part. Nucleic acids from an inactivated organism, virus, or sample are considered to be 'recoverable' if the inactivation and preparation of the material is intended or known to facilitate isolation, purification, amplification, detection, or identification of nucleic acids.*

*"Genetically Modified Organisms" include organisms in which the nucleic acid sequences have been created or altered by deliberate molecular manipulation.*

**\*\* Such materials are controlled regardless of quantity or attenuation. \*\***