



## VUMC Export Compliance

### Export-Controlled & Restricted Toxins

#### Toxins

- Abrin;
- Aflatoxins;
- Botulinum neurotoxins;
- Brevetoxins;
- Clostridium perfringens alpha, beta 1, beta 2, epsilon and iota toxins;
- Conotoxins;
- Diacetoxyscirpenol;
- Gonyautoxins;
- HT-2 toxin;
- Microcystins (Cyanginosins);
- Modeccin;
- Neosaxitoxin (NEO);
- Nodularins;
- Palytoxin;
- Ricin;
- Saxitoxin;
- Shiga toxins (shiga-like toxins, verotoxins, and verocytotoxins);
- Staphylococcus aureus enterotoxins, hemolysin alpha toxin, and toxic shock syndrome toxin (formerly known as Staphylococcus enterotoxin F);
- T-2 toxin;
- Tetrodotoxin;
- Viscumin (Viscum album lectin 1); or
- Volkensin

#### 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. \*\***