



VUMC Export Compliance

Export-Controlled & Restricted Toxins

Toxins

- Abrin;
- Aflatoxins;
- Botulinum toxins;
- Brevetoxins;
- Clostridium perfringens alpha, beta 1, beta 2, epsilon and iota toxins;
- Conotoxins;
- Diacetoxyscirpenol;
- Gonyautoxins;
- HT-2 toxin;
- Microcystins (Cyanginosins);
- Modeccin;
- 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 from any of the categories above are also controlled.

Specifically, any nucleic acid sequences which code for biological toxins, any nucleic acid sequences that are a hazard to human health when transcribed or translated, or any nucleic acid sequence that would make any restricted microorganism above more pathogenic.

This also covers microorganisms that have been genetically altered to express the above genetic elements.