



VUMC Export Compliance

Export-Controlled & Restricted Fungi

Fungi

- *Coccidioides immitis*;
- *Coccidioides posadasii*;
- *Cochliobolus miyabeanus* (*Helminthosporium oryzae*);
- *Colletotrichum kahawae* (*Colletotrichum coffeanum* var. *virulans*);
- *Magnaporthe oryzae* (*Pyricularia oryzae*);
- *Microcyclus ulei* (syn. *Dothidella ulei*);
- *Puccinia graminis* ssp. *graminis* var. *graminis*/*Puccinia graminis* ssp. *graminis* var. *stakmanii* (*Puccinia graminis* [syn. *Puccinia graminis* f. sp. *tritici*]);
- *Puccinia striiformis* (syn. *Puccinia glumarum*);
- *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*);
- *Phoma glycinicola* (formerly *Pyrenochaeta glycines*);
- *Sclerophthora rayssiae* var. *zeae*;
- *Synchytrium endobioticum*;
- *Thecaphora solani*;
- *Tilletia indica*

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.