

**CURTIN UNIVERSITY****Microbes and Toxins on the Defence and Strategic Goods List (DSGL).**

You must contact the Biosafety Advisor at HazardousMaterials@curtin.edu.au or 92661383 or 0401103655 before you start working with any of the following from the list below:

- toxins
- pathogenic microorganisms
- nucleic acid sequences encoding toxins
- nucleic acid sequences associated with the pathogenicity of microorganisms
- prions

Toxins:

Botulinum toxins; Clostridium perfringens alpha, beta 1, beta 2, epsilon and iota toxins; Conotoxins; Ricin (CAS 9009 86 3); Saxitoxin (CAS 35523 89 8); 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); Tetrodotoxin; Verotoxin and shiga like ribosome inactivating proteins; Microcystins (Cyanoginosins); Aflatoxins; Abrin; Cholera toxin; Diacetoxyscirpenol toxin; T 2 toxin; HT 2 toxin; Modeccin; Volkensin; Viscum Album Lectin 1 (Viscumin).

Human pathogenic viruses:

Andes virus; Chapare virus; Chikungunya virus; Choclo virus; Crimean Congo haemorrhagic fever virus; Dobrava Belgrade virus; Eastern equine encephalitis virus; Ebolavirus (all members of the Ebolavirus genus); Guanarito virus; Hantaan virus; Hendra virus (Equine morbillivirus); highly pathogenic influenza virus infecting humans; Japanese encephalitis virus; Junin virus; Kyasanur Forest disease virus; Laguna Negra virus; Lassa fever virus; Louping ill virus; Lujo virus; Lymphocytic choriomeningitis virus; Machupo virus; Marburgvirus (all members of the Marburgvirus genus); Monkeypox virus; Murray Valley encephalitis virus; Nipah virus; Omsk haemorrhagic fever virus; Oropouche virus; Powassan virus; Rift Valley fever virus; Rocio virus; Sabia virus; Seoul virus; Sin Nombre virus; St Louis encephalitis virus; Tick borne encephalitis virus (Far Eastern subtype); Variola virus; Venezuelan equine encephalitis virus; Western equine encephalitis virus; Yellow fever virus; Reconstructed 1918 influenza virus; Severe acute respiratory syndrome related coronavirus (SARS related coronavirus); Suid herpesvirus 1 (Pseudorabies virus; Aujeszky's disease); Middle East respiratory syndrome related coronavirus (MERS CoV).

Human pathogenic bacteria:

Bacillus anthracis; Brucella abortus; Brucella melitensis; Brucella suis; Chlamydomphila psittaci (formerly known as Chlamydia psittaci); Clostridium botulinum; Clostridium argentinense (formerly known as Clostridium botulinum Type G), botulinum neurotoxin producing strains; Clostridium baratii, botulinum neurotoxin producing strains; Clostridium butyricum, botulinum neurotoxin producing strains; Francisella tularensis; Burkholderia mallei (Pseudomonas mallei); Burkholderia pseudomallei (Pseudomonas pseudomallei); Salmonella typhi; Shigella dysenteriae; Vibrio cholerae; Yersinia pestis; Clostridium perfringens, epsilon toxin producing types; Shiga toxin producing Escherichia coli (STEC) of serogroups O26, O45, O103, O104, O111, O121, O145, O157, and other shiga toxin producing serogroups; Coxiella burnetii; Rickettsia prowazekii .

Human pathogenic fungi:

Coccidioides immitis, Coccidioides posadasii.



Animal pathogenic viruses:

African swine fever virus; Avian influenza viruses which are uncharacterised or have high pathogenicity; Bluetongue virus; Foot and mouth disease virus; Goatpox virus; Herpes virus (Aujeszky's disease); Swine fever virus (Hog cholera virus); Rabies virus and all other members of the Lyssavirus genus; Newcastle disease virus; Peste des petits ruminants virus; Porcine Teschovirus; Rinderpest virus; Sheeppox virus; Teschen disease virus; Vesicular stomatitis virus; Lumpy skin disease virus; African horse sickness virus; Swine vesicular disease virus.

Animal pathogenic mycoplasmas:

Mycoplasma mycoides subspecies *mycoides* SC (small colony), *Mycoplasma capricolum* subspecies *capripneumoniae* (strain F38).

Plant pathogenic viruses:

Potato Andean latent tymovirus, Potato spindle tuber viroid.

Plant pathogenic bacteria:

Xanthomonas albilineans; *Xanthomonas axonopodis* pv. *citri* (*Xanthomonas campestris* pv. *citri* A) [*Xanthomonas campestris* pv. *citri*]; *Xanthomonas oryzae* pv. *Oryzae* (*Pseudomonas campestris* pv. *Oryzae*); *Clavibacter michiganensis* subsp. *sepedonicus* (*Corynebacterium michiganensis* subsp. *sepedonicum* or *Corynebacterium sepedonicum*); *Ralstonia solanacearum*, race 3, biovar 2.

Plant pathogenic fungi:

Colletotrichum kahawae (*Colletotrichum coffeanum* var. *virulans*); *Cochliobolus miyabeanus* (*Helminthosporium 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*); *Magnaporthe oryzae* (*Pyricularia oryzae*); *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*); *Sclerophthora rayssiae* var. *zeae*; *Synchytrium endobioticum*; *Tilletia indica*; *Thecaphora solani*.

Prions:

Any prion or infectious protein.