

Pathogens and toxins that are notifiable to the National Counter Terrorism Security Office

(The Anti-Terrorism, Crime and Security Act 2001)

1. Scope

This document summarises the contents of the Anti-Terrorism, Crime and Security Act 2001 Schedule 5 list of specified pathogens and toxins. Acquisition, storage and use of a specified form of an item on this list will require notification to the National Counter Terrorism Security Office (NaCTSO). Please contact the University Biological Safety Officer to start this process.

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2. Introduction

The purpose of the Anti-terrorism Crime and Security Act is to help ensure that Governments have, in the light of terrorist attacks, the necessary powers to counter the threat to the UK. Part 7 and Schedules 5 and 6 of the Act places an obligation on managers of laboratories and other premises holding stocks of specified disease-causing micro-organisms and toxins (listed in Schedule 5) to notify their holdings, and to comply with any reasonable security requirements which Counter Terrorism Security Advisors (CTSA), based in the local police force, may impose. It also requires managers of laboratories and other premises, on request, to provide details

of people with access to the dangerous substances held there. The Secretary of State is given power to direct that a named individual must not be allowed access to such disease strains or the premises in which they are held.

3. Responsibilities

The University Biological Safety Officer (UBSO) audits Schools on their holdings and liaises with NaCTSO and local CTAs regarding work with and the secure design of premises holding scheduled material. Principal Investigators should contact their SSA and the UBSO before using any material on this list (so that the premises can be inspected and NaCTSO notified) or when any information previously given changes.

4. Forms of pathogens and toxins covered by the Act

References to micro-organisms on the list includes:

- intact micro-organisms
- micro-organisms which have been genetically modified by any means, but retain the ability to cause serious harm to human or animal health
- any nucleic acid deriving from a micro-organism listed in this Schedule (synthetic or naturally derived, contiguous or fragmented, in host chromosomes or in expression vectors) that can encode infectious or replication competent forms of any of the listed micro-organisms
- any nucleic acid sequence derived from the micro-organism which when inserted into any other living organism alters or enhances that organisms ability to cause serious harm to human or animal health.

References to toxins on the list includes:

- any nucleic acid sequence coding for the toxin
- any genetically modified organism containing any such sequence.

References to toxins on the list excludes:

- any non-toxigenic subunit.

5. List of specified pathogens grouped according to type of agent

Viruses

Chikungunya virus
Congo-crimean haemorrhagic fever virus
Dengue fever virus
Dobrava/Belgrade virus
Eastern equine encephalitis virus
Ebola virus

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Everglades virus	3
Getah virus	3
Guanarito virus	4
Hantaan virus	3
Hendra virus (Equine morbillivirus)	4
Herpes simiae (B) virus	4
Influenza virus (pandemic strains and highly pathogenic avian strains)	3
Japanese encephalitis virus	3
Junin virus	4
Kyasanur Forest virus	4
Lassa fever virus	4
Louping ill virus	3
Lymphocytic choriomeningitis virus	3
Machupo virus	4
Marburg virus	4
Mayaro virus	3
Middleburg virus	3
Mobala virus	3
Monkey pox virus	3
Mucambo virus	3
Murray Valley encephalitis virus	3
Ndumu virus	3
Newcastle disease virus	2
Nipah virus	4
Omsk haemorrhagic fever virus	4
Polio virus	2
Powassan virus	3
Rabies and rabies-related Lyssaviruses	3
Rift Valley fever virus	3
Rocio virus	3
Sabia virus	4
Sagiyama virus	3
SARS Coronavirus	3
Sin Nombre virus	3
St Louis encephalitis virus	3
Tick-borne encephalitis virus (Russian Spring-Summer encephalitis virus)	4
Variola virus	4
Venezuelan equine encephalitis virus	3
Vesicular stomatitis virus	2
West Nile fever virus	3
Western equine encephalitis virus	3
Yellow fever virus	3

Bacteria

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Bacillus anthracis	3
Brucella abortus	3
Brucella canis	3

Brucella melitensis	3
Brucella suis	3
Burkholderia mallei (Pseudomonas mallei)	3
Burkholderia pseudomallei (Pseudomonas pseudomallei)	3
Chlamydia psittaci (avian)	3
Chlamydia psittaci (non-avian)	2
Clostridium botulinum	2
Enterohaemorrhagic Escherichia coli, serotype 0157 & verotoxin producing strains	3
Francisella tularensis (Type A)	3
Francisella tularensis (Type B)	2
Salmonella paratyphi – multiple drug resistant	3
Salmonella paratyphi A, B, C	3
Salmonella typhi	3
Shigella boydii	2
Shigella dysenteriae (other than Type 1)	2
Shigella dysenteriae (Type 1)	3
Shigella flexneri	2
Vibrio cholerae	2
Yersinia pestis	3

Animal Viruses

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African horse sickness virus	3
African swine fever virus	4
Bluetongue virus	3
Classical swine fever virus	3
Foot and mouth disease virus	4
Goat pox virus	3
Lumpy skin disease virus	3
Peste des petits ruminants virus	4
Rinderpest virus	4
Sheep pox virus	3
Swine vesicular disease virus	4

Rickettsia

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Coxiella burnetii	3
Rickettsia prowazeki	3
Rickettsia rickettsii	3
Rickettsia typhi (mooseri)	3

Mycoplasma

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Mycoplasma mycoides subsp mycoides SC (Contagious bovine pleuropneumonia)	2
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6. List of specified toxins

Toxin

Abrin
Botulinum toxins
Clostridium perfringens epsilon toxin
Clostridium perfringens enterotoxin
Conotoxin
Modeccin toxin
Ricin
Saxitoxin
Shiga and shiga-like toxins
Staphylococcal enterotoxins
Tetrodotoxin
Viscum Album Lectin 1 (Viscumin)
Volkensin toxin

7. Significant changes made to the list

7.1 1st October 2012

Added:

- SARS Coronavirus

Removed:

- Clostridium perfringens
- Mycobacterium tuberculosis
- Fungi (all entries)