

# Anti-Terrorism, Crime and Security Act 2001 Schedule 5 List of Pathogens and Toxins

The current Schedule 5 list of materials (last updated October 2012) includes microorganisms, toxins and genetic sequences.

## Bacteria

<i>Bacillus anthracis</i>	<i>Francisella tularensis</i>
<i>Brucella abortus</i>	Multiple-drug resistant <i>Salmonella paratyphi</i>
<i>Brucella canis</i>	<i>Salmonella paratyphi</i> A, B, C
<i>Brucella melitensis</i>	<i>Salmonella typhi</i>
<i>Brucella suis</i>	<i>Shigella boydii</i>
<i>Burkholderia mallei</i> ( <i>Pseudomonas mallei</i> )	<i>Shigella dysenteriae</i>
<i>Burkholderia pseudomallei</i> ( <i>Pseudomonas pseudomallei</i> )	<i>Shigella flexneri</i>
<i>Chlamydomphila psittaci</i>	<i>Vibrio cholerae</i>
<i>Clostridium botulinum</i>	<i>Yersinia pestis</i>
Enterohaemorrhagic <i>Escherichia coli</i> serotype 0157 and verotoxin producing strains	

## Rickettsiae

<i>Coxiella burnetii</i>	<i>Rickettsia rickettsii</i>
<i>Rickettsia prowazeki</i>	<i>Rickettsia typhi</i> (mooseri)

## Viruses

Chikungunya virus	Mobala virus
Congo-crimean haemorrhagic fever virus	Monkey pox virus
Dengue fever virus	Mucambo virus
Dobrava / Belgrade virus	Murray Valley encephalitis virus
Eastern equine encephalitis virus	Ndumu virus
Ebola virus	Nipah virus
Everglades virus	Omsk haemorrhagic fever virus
Getah virus	Polio virus
Guanarito virus	Powassan virus
Hantaan virus	Rabies virus
Hendra virus (Equine morbillivirus)	Rift Valley fever virus
Herpes simiae (B virus)	Rocio virus
Influenza viruses (pandemic strains)	Sabia virus
Japanese encephalitis virus	Sagiyama virus
Junin virus	SARS Coronavirus
Kyasanur Forest virus	Sin Nombre virus
Lassa fever virus	St Louis encephalitis virus
Louping ill virus	Tick-borne encephalitis virus (Far eastern encephalitis, formerly Russian Spring summer encephalitis virus)
Lymphocytic choriomeningitis virus	Variola virus
Machupo virus	Venezuelan equine encephalitis virus
Marburg virus	Western equine encephalitis virus
Mayaro virus	West Nile fever virus
Middleburg virus	Yellow fever virus

## Animal Pathogens

African horse sickness virus	Lumpy skin disease virus
African swine fever virus	Newcastle disease virus
Bluetongue virus	Peste des petits ruminants virus
Classical swine fever virus	Rift Valley fever virus
Contagious bovine pleuropneumonia	Rabies and rabies-related Lyssaviruses
Foot and mouth disease virus	Rinderpest virus
Goat pox virus	Sheep pox virus
Hendra virus (Equine morbillivirus)	Swine vesicular disease virus
Highly pathogenic avian influenza (HPAI) as defined in Annex I(2) of Council Directive 005/94/EC	Vesicular stomatitis virus

## Toxins

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

## Notes

Any reference in this Schedule to a microorganism includes:

- (a) Intact microorganisms.
- (b) Microorganisms which have been genetically modified by any means, but retain the ability to cause serious harm to human health.
- (c) Any nucleic acid deriving from a microorganism 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 microorganisms.
- (d) Any nucleic acid sequence derived from the microorganism which when inserted into any other living organism alters or enhances that organism's ability to cause serious harm to human or animal health.

Any reference in this Schedule to a toxin includes:

- (a) Any nucleic acid sequence coding for the toxin.
- (b) Any genetically modified microorganism containing any such sequence.

Any reference in this Schedule to a toxin excludes any non-toxigenic subunit.