

Second session
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LIST OF BIOLOGICAL AGENTS AND TOXINS

Working Paper submitted by China

China considers that a list of biological agents and toxins is indispensable for measures to strengthen the effectiveness of BWC. When drawing up the following list, three rules were applied:

1. The biological agents and toxins are classified into lists of core and potential agents and toxins, with emphasis on the former.
2. To ensure peaceful uses, attenuated strains for vaccine, toxoids and diagnostic products are excluded from the lists.
3. The lists can be updated with the progress of biotechnology and microbiology in future.

I. Core Agents and Toxins

Bacillus anthracis
Brucella abortus
Br. melitensis
Br. suis
Francisella tularensis
Yersinia pestis
Coxiella burnetii
Variolla virus
Venezuelan encephalitis virus
Yellow fever virus
Clostridium botulinum toxin
Ricin
Saxitoxin
Staphylococcus enterotoxin

Genetically modified microorganisms:

Genetically modified microorganisms or genetic elements and high expression vector-host systems that contain nucleic acid sequences associated with pathogenicity and toxins in the list.

II. Potential Agents and Toxins

Clostridium botulinum
Clostridium tetani
Enterohaemorrhagic Escherichia coli, serotype 0157
and other verotoxin producing serotypes
Legionella pneumophila
Pseudomonas mallei
Salmonella typhi
Shigella dysenteriae
Vibrio cholerae
Rickettsia prowazekii
Rickettsia quintana

African swine fever virus
African horse sickness virus
Avian influenza virus
Bovine spongiform encephalopathy agents
Bluetongue virus
Chikungunya virus
Crimean-Congo haemorrhagic fever virus
Ceratitis capitata (wiedemann)
Coccidioides immitis
Dengue fever virus
Erwinia amylovora (Burrill) Winslow et al.
Eastern encephalitis virus
Ebola virus
Hantaan virus
Histoplasma capsulatum var. duboisii
Hog cholera virus
Japanese encephalitis virus
Junin virus
Kyasanur Forest virus
Lassa virus
Leptospira interrogans
Louping ill virus
Lyssa virus
Lumpy skin disease virus

Lymphocytic choriomeningitis virus
Machupo virus
Marburg virus
Microcyclus ulei (P.Henn.) von arx.
Monkey smallpox virus
Murray Valley encephalitis virus
Mycobacterium bovis
Newcastle disease virus
Omsk haemorrhagic fever virus
Oropouche virus
Peronospora hyoscyami de bary f.sp. tabacina (Adam) skaliky
Powassan virus
Rinderpest virus
Rocio virus
Rift Valley fever virus
Scrapie agents
Swine vesicular disease virus
St. Louis encephalitis virus
Teschien disease virus
Tick-borne encephalitis virus
Vesicular stomatitis virus
White pox virus
Western encephalitis virus

Ceratitidis capitata (wiedemann)
Coccidoids immites
Erwinia amylovora (Burrill) Winslow et al.
Histoplasma capsulatum var. dubocsi
Leptospira interrogans
Microcyclus ulei (P.Henn.) von arx.
Mycobacterium bovis
Mycobacterium avium
Peronospora hyoscyami de bary f.sp. tabacina (Adam) skaliky

Abrin
Chlostridium tetani toxin (tetanus toxin)
Cholera toxin
Conotoxin
Microcystin (Cyanginosin)
Neurotoxin Shigella dysenteriae
Tetrodotoxin
Trichothecene mycotoxins (Trichothecia, T-2 toxin, setra toxin,
Verrucologen)
Verotoxin
Claviceps purpurea

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