

Agent	Biosafety Classification			Biosecurity		
	EU Directive 2000/54/EG *1	National List of Pathogenic GMOs *2	National List of Animal Pathogens *3	EU Dual-Use Export Control Regime: *4	The Australia Group *5	Select Agents List *6
Absettarov virus (TBEV, subtype Far Eastern)	3	-	-	No	No	No
African horse sickness virus	-	3	3	Yes	Yes	Yes
African swine fever virus	-	4	4	Yes	Yes	Yes
<i>Ajellomyces capsulatus</i> (see: <i>Histoplasma capsulatum</i> var. <i>capsulatum</i> )	3	3	-	No	No	No
<i>Ajellomyces dermatitidis</i> (see: <i>Blastomyces dermatitidis</i> )	3	3	-	No	No	No
Akabane virus	-	3	-	No	No	No
Alcelaphine Herpesvirus 1 (see: Bovine malignant catharral fever)	-	-	3	No	No	No
Aleutian mink disease virus	-	-	3	No	No	No
Andes virus	3	-	-	Yes	Yes	No
Aujesky's disease virus (see: Suid herpesvirus 1 and Pseudorabiesvirus)	-	3	3	Yes	Yes	No
Australian bat lyssavirus	3	-	-	No	No	No
Australian encephalitis virus (see: Murray Valley encephalitis virus)	3	-	-	Yes	Yes	No
Avian influenza virus (see specific lists for details to which subtypes regulation applies)	-	3	4	Yes	Yes	Yes
Avian parainfluenza virus 1 (see: Newcastle disease virus and Parainfluenza virus)	2	3	4	Yes	Yes	Yes
<i>Bacillus anthracis</i>	3	3	3	Yes	Yes	Yes
<i>Bacillus cereus</i> biovar <i>anthracis</i>	-	-	-	No	W	Yes
<i>Balamuthia mandrillaris</i>	3	-	-	No	No	No
<i>Bartonella</i> spp. (excluding <i>baillii</i> )	-	3	-	No	No	No
Bayou orthohantavirus	3	-	-	No	No	No
Black Creek Canal orthohantavirus	3	-	-	No	No	No
<i>Blastomyces dermatitidis</i> (see: <i>Ajellomyces dermatitidis</i> )	3	3	-	No	No	No
<i>Blastomyces gilchristii</i>	3	-	-	No	No	No
Bluetongue virus	-	3	3	Yes	Yes	No
Bovine malignant catharral fever (see: Alcelaphine Herpesvirus 1)	-	-	3	No	No	No
Bovine papular stomatitis virus	-	-	3	No	No	No
Bovine spongiforme encephalopathy (BSE)	3	-	-	No	No	No
<i>Brucella abortus</i>	3	3	3	Yes	Yes	Yes
<i>Brucella canis</i>	3	3	3	No	No	No
<i>Brucella ceti</i>	-	3	3	No	No	No
<i>Brucella inopinata</i>	3	3	-	No	No	No
<i>Brucella melitensis</i>	3	3	3	Yes	Yes	Yes
<i>Brucella ovis</i>	-	3	3	No	No	No
<i>Brucella pinnipedialis</i>	-	3	3	No	No	No
<i>Brucella suis</i>	3	3	3	Yes	Yes	Yes
Bungowannah virus	-	3	-	No	No	No
<i>Burkholderia mallei</i> (see: <i>Pseudomonas mallei</i> )	3	3	3	Yes	Yes	Yes
<i>Burkholderia pseudomallei</i> (see: <i>Pseudomonas pseudomallei</i> )	3	3	-	Yes	Yes	Yes
Cabassou virus	3	-	-	No	No	No
Camelpox virus	-	2	3	No	No	No
<i>Candida bantianum</i>	-	3	-	No	No	No
<i>Candida trichoides</i>	-	3	-	No	No	No
Cano Delgadito orthohantavirus	3	-	-	No	No	No
Cell fusing agent virus (orthobunyavirus and unassigned, flavivirus = 2)	-	3	-	No	No	No
Central European tick-borne encephalitis virus	3	-	-	No	No	No
Chapare virus	4	-	-	Yes	Yes	Yes
Chikungunya virus	3	3	-	Yes	Yes	No
<i>Chlamydia psittaci</i> (avian strains; syn.: <i>Chlamydochlamydia psittaci</i> )	3	3	3	Yes	Yes	No
<i>Chlamydia psittaci</i> (non-avian strains; syn.: <i>Chlamydochlamydia psittaci</i> )	2	3	3	Yes	Yes	No
Choclo virus	3	-	-	Yes	Yes	No
<i>Cladophialophora bantiana</i> (formerly: <i>Xylohypha bantiana</i> , <i>Cladosporium 3 bantianum</i> or <i>trichoides</i> )	3	-	-	No	No	No
<i>Cladophialophora bantiana</i> (formerly: <i>Xylohypha bantiana</i> , <i>Cladosporium</i> )	3	-	-	No	No	No
<i>Cladophialophora modesta</i>	3	-	-	No	No	No
Classical swine fever virus (see: Hog cholera)	-	4	4	Yes	Yes	Yes
<i>Clostridium argentinense</i> (formerly: <i>Clostridium botulinum</i> Type G), botulinum neurotoxin producing strains	-	2	-	Yes	Yes	Yes
<i>Clostridium baratii</i> (botulinum neurotoxin producing strains)	-	2	-	Yes	Yes	Yes
<i>Clostridium botulinum</i>	2	2	-	Yes	Yes	Yes
<i>Clostridium butyricum</i> (botulinum neurotoxin producing strains)	-	2	-	Yes	Yes	Yes
<i>Clostridium perfringens</i> (epsilon toxin producing types)	2	2	-	Yes	Yes	No
<i>Clostridium</i> spp. (other botulinum neurotoxin producing strains)	2	2	-	No	W	Yes
<i>Clostridium tetani</i>	2	2	-	No	W	No
Cocal vesiculovirus	-	3	-	No	No	No
<i>Coccidioides immitis</i>	3	3	-	Yes	Yes	No
<i>Coccidioides posadasii</i>	3	-	-	Yes	Yes	No
<i>Coxiella burnetii</i>	3	3	3	Yes	Yes	Yes
Creutzfeldt-Jakob disease	3	-	-	No	No	No
Crimean-Congo haemorrhagic fever virus	4	4	4	Yes	Yes	Yes
Denguevirus (serotypes 1, 2, 3, and 4)	3	3	-	No	No	No
Dobrava-Belgrade orthohantavirus	3	-	-	Yes	Yes	No
Duvenhage lyssavirus	3	3	-	Yes	Yes	No
Eastern equine encephalitis virus	3	3	3	Yes	Yes	Yes
Ebolavirus (all members of the Ebolavirus genus)	4	4	4	Yes	Yes	Yes
<i>Echinococcus granulosus</i>	3	3	-	No	No	No
<i>Echinococcus multilocularis</i>	3	3	-	No	No	No
<i>Echinococcus oligarthrus</i>	3	-	-	No	No	No
<i>Echinococcus vogeli</i>	3	-	-	No	No	No
El Moro Canyon orthohantavirus	3	-	-	No	No	No
Emmonsia capsulatum	-	3	-	No	No	No
Enterohaemorrhagic <i>Escherichia coli</i> (EHEC) (see: Shiga toxin producing <i>Escherichia coli</i> (STEC) verotoxin producing <i>E. coli</i> (VTEC) and verocytotoxin producing <i>E. coli</i> (VTEC))	3	3	-	Yes	Yes	No
Enterovirus C Poliovirus type 2	3	3	-	No	No	No
Epizootic hemorrhagic disease virus	-	3	3	No	No	No
Equine arteritis virus	-	2	3	No	No	No
Equine encephalosis virus	-	3	-	No	No	No
Equine morbillivirus (see: Hendra virus)	4	-	-	No	No	No
Equine rhinopneumonitis virus	-	-	3	No	No	No
<i>Escherichia coli</i> , shigatoxin producing strains (see: STEC, VHEC and EHEC)	3	3	-	Yes	Yes	No
European bat lyssavirus 1 and 2	3	-	-	No	No	No
Everglades virus	3	-	-	No	No	No

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Flexal mammarenavirus	3	-	-	No	No	No
Foot-and-mouth disease virus	-	4	4	Yes	Yes	Yes
Francisella tularensis (Type A)	3	2	3	Yes	Yes	Yes
Francisella tularensis (Type B)	2	2	3	Yes	Yes	Yes
Francisella tularensis subspecies holarctica	2	3	-	Yes	Yes	Yes
Francisella tularensis subspecies mediasiatica	2	3	-	Yes	Yes	Yes
Francisella tularensis subspecies tularensis	3	3	-	Yes	Yes	Yes
Fusarium langsethiae	-	-	-	No	W	No
Fusarium sporotrichioides	-	-	-	No	W	No
Gerstmann-Straussler-Scheinkersyndrom	3	-	-	No	No	No
Goatpox virus	-	3	3	Yes	Yes	Yes
Guanarito mammarenavirus	4	-	-	Yes	Yes	Yes
Hanta virus (syn.: orthohantavirus)	3	-	-	Yes	Yes	No
Hanzalova virus (Tick-borne encephalitis virus)	3	-	-	No	No	No
Hendra virus (Equine morbillivirus)	4	4	4	Yes	Yes	Yes
Hepatitis B virus	3	2	-	No	No	No
Hepatitis C virus	3	2	-	No	No	No
Hepatitis G virus	3	-	-	No	No	No
Hepatitis viruses (undefined variants)	3	-	-	No	No	No
Herpesvirus simiae, Herpes B virus (see: Macacine alphaherpesvirus 1)	3	3	-	No	No	No
Histoplasma capsulatum (see: Ajellomyces capsulatus)	3	3	-	No	No	No
Histoplasma capsulatum duboisii	3	3	-	No	No	No
Histoplasma duboisii	3	3	-	No	No	No
Hog cholera (see: Classical swine fever virus)	-	4	4	Yes	Yes	Yes
Huayiangshan virus (see: Henan fever virus)	-	4	-	No	No	No
Human immunodeficiency viruses (HIV)	3	3	-	No	No	No
Human T-lymphotropic viruses (HTLV), type 1 en 2 (see: Primate T-lymphotropic virus 1 en 2)	3	3	-	No	No	No
Hypr virus (Tick-borne encephalitis virus, subtype Europe)	3	-	-	No	No	No
Japanese encephalitis virus	3	3	3	Yes	Yes	No
Juninivirus	4	4	-	Yes	Yes	Yes
Kumlinge virus (Tick-borne encephalitis virus, subtype Europe)	3	-	-	No	No	No
Kuru virus	3	-	-	No	No	No
Kyasanur Forest virus (Tick-borne encephalitis virus, subtype far Eastern)	3	-	-	Yes	Yes	Yes
La Crosse orthobunyavirus	-	3	-	No	No	No
Lagos bat lyssavirus	3	-	-	No	No	No
Laguna Negra virus	3	-	-	Yes	Yes	No
Lassa virus	4	4	-	Yes	Yes	Yes
Legionella pneumophila	2	2	-	No	W	No
Leishmania brasiliensis	3	-	-	No	No	No
Leishmania donovani	3	-	-	No	No	No
Leishmania guyanensis (Vianna guyanensis)	3	-	-	No	No	No
Leishmania infantum (Leishmania chagasi)	3	2	-	No	No	No
Leishmania panamensis (Vianna panamensis)	3	-	-	No	No	No
Louping ill virus (Tick-borne encephalitis virus, subtype Europe)	3	-	-	Yes	Yes	No
Lujo virus	4	-	-	Yes	Yes	Yes
Lumpy skin disease virus	-	3	3	Yes	Yes	Yes
Lymphocytic choriomeningitis virus	2	3	-	Yes	Yes	No
Lyssavirus genus (see: Mokolavirus, Duvenhage virus en Rabies virus)	-	3	-	Yes	Yes	No
Macacine alphaherpesvirus 1 (see: Herpesvirus simiae, Herpes B virus)	3	3	-	No	No	No
Machupo virus	4	4	-	Yes	Yes	Yes
Marburg virus (all members of the Marburg genus)	4	4	4	Yes	Yes	Yes
Mayaro virus	3	3	-	No	No	No
Middle East respiratory syndrome coronavirus (MERS-CoV)	3	3	-	Yes	No	No
Mokolavirus (see: Lyssavirus)	3	3	-	Yes	Yes	No
Monkeypox virus	3	-	3	Yes	Yes	Yes
Mouse mammary tumor virus	-	2	3	No	No	No
Mucambo virus	3	-	-	No	No	No
Murray Valley encephalitis virus (see: Australian encephalitis virus)	3	-	-	Yes	Yes	No
Mycobacterium africanum	3	3	-	No	No	No
Mycobacterium bovis (except BCG strain)	3	3	3	No	No	No
Mycobacterium caprae (Mycobacterium tuberculosis ssp. caprae)	3	-	-	No	No	No
Mycobacterium leprae	3	3	-	No	No	No
Mycobacterium microti	3	3	-	No	No	No
Mycobacterium pinnipedii	3	-	-	No	No	No
Mycobacterium tuberculosis	3	3	3	No	No	No
Mycobacterium ulcerans	3	3	-	No	No	No
Mycoplasma capricolum subspecies capripneumoniae (strain F38)	-	-	-	Yes	Yes	Yes
Mycoplasma mycoides subspecies mycoides SC (small colony)	-	-	3	Yes	Yes	Yes
Myxoma virus	-	2	3	No	No	No
Naegleria fowleri	3	-	-	No	No	No
Nairobi sheep disease virus	-	-	3 (in vivo)	No	No	No
Ndumu virus	3	-	-	No	No	No
Negishi virus	3	-	-	No	No	No
Newcastle disease virus (see: Avian parainfluenza virus 1 and Parainfluenza virus)	2	3	4	Yes	Yes	Yes
Nipah virus	4	4	4	Yes	Yes	Yes
Omsk hemorrhagic fever virus (tick-borne Russian spring-summer encephalitis virus complex)	3	-	-	Yes	Yes	Yes
Orientia tsutsugamushi (see: Rickettsia tsutsugamushi)	3	3	-	No	No	No
Oropouche virus	3	-	-	Yes	Yes	No
Paracoccidioides brasiliensis	3	3	-	No	No	No
Paracoccidioides lutzii	3	-	-	No	No	No
Parainfluenza viruses type 1 (see: Avian parainfluenza virus 1 and Newcastle disease virus)	2	3	4	Yes	Yes	Yes
Peste-des-petits-ruminants virus	-	3	4	Yes	Yes	Yes
Plasmodium falciparum	3	3	-	No	No	No
Plasmodium knowlesi	3	-	-	No	No	No
Porcine enterovirus 1 (see Porcine Teschovirus)	-	-	3	Yes	Yes	No
Porcine enterovirus type 9 (see: Swine vesicular disease virus)	-	3	4	Yes	Yes	Yes
Porcine epidemic diarrhea virus (PEDV)	-	2	3	No	No	No
Porcine hemagglutinating encephalomyelitis virus	-	2	3	No	No	No
Porcine Teschovirus (see: Porcine enterovirus 1)	-	-	3	Yes	Yes	No

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Powassan virus	3	-	-	Yes	Yes	No
Primate T-lymphotropic virus 1 (see: Human T-lymphotropic virus (HTLV) type 1)	3	3	-	No	No	No
Primate T-lymphotropic virus 2 (see: Human T-lymphotropic virus (HTLV) type 2)	3	3	-	No	No	No
Primate T-lymphotropic virus 3	-	3	-	No	No	No
<i>Pseudomonas mallei</i> (see: <i>Burkholderia mallei</i> )	3	3	3	Yes	Yes	Yes
<i>Pseudomonas pseudomallei</i> (see: <i>Burkholderia pseudomallei</i> )	3	3	-	Yes	Yes	Yes
Rabbit Haemorrhagic Disease virus	2	-	3	No	No	No
Rabies virus	3	3	3	Yes	Yes	No
Reconstructed 1918 influenza virus	-	-	-	Yes	Yes	Yes
<i>Rhinocycladiella mackenziei</i>	3	-	-	No	No	No
<i>Rickettsia africae</i>	3	-	-	No	No	No
<i>Rickettsia akari</i>	3	3	-	No	No	No
<i>Rickettsia australis</i>	3	3	-	No	No	No
<i>Rickettsia canada</i>	2	3	-	No	No	No
<i>Rickettsia conorii</i>	3	3	-	No	No	No
<i>Rickettsia helongjiangensis</i>	3	-	-	No	No	No
<i>Rickettsia japonica</i>	3	3	-	No	No	No
<i>Rickettsia montana</i>	2	3	-	No	No	No
<i>Rickettsia mooseri</i> (see: <i>Rickettsia typhi</i> )	3	3	-	No	No	No
<i>Rickettsia prowazekii</i>	3	3	-	Yes	Yes	Yes
<i>Rickettsia rickettsii</i>	3	3	-	No	No	No
<i>Rickettsia sibirica</i>	3	-	-	No	No	No
<i>Rickettsia tsutsugamushi</i> (see: <i>Orientia tsutsugamushi</i> )	3	3	-	No	No	No
<i>Rickettsia typhi</i> (see: <i>Rickettsia mooseri</i> )	3	3	-	No	No	No
Rift Valley fever virus	3	3	3	Yes	Yes	Yes
Rinderpest virus	-	4	4	Yes	Yes	Yes
Rocio virus	3	-	-	Yes	Yes	No
Sabia virus (Brazilian mammarenavirus)	4	-	-	Yes	Yes	Yes
<i>Salmonella typhi</i>	3	3	-	Yes	Yes	No
Seneca Valley virus	-	3	-	No	No	No
Seoul virus	3	-	-	Yes	Yes	No
Severe acute respiratory syndrome-related coronavirus (SARS-related coronavirus)	3	3	-	Yes	Yes	Yes
SFTS phlebovirus (Severe Fever with Thrombocytopenia Syndrome-Virus)	3	-	-	No	No	No
Shopeex virus	-	3	3	Yes	Yes	Yes
Shiga toxin producing <i>Escherichia coli</i> (STEC) (see: Enterohaemorrhagic <i>E. coli</i> (EHEC), verotoxin producing <i>E. coli</i> (VTEC) or verocytotoxin producing <i>E. coli</i> (VTEC))	3	3	-	Yes	Yes	No
<i>Shigella dysenteriae</i> (Type 1)	3	3	-	Yes	Yes	No
Simian immunodeficiency virus (SIV)	2	3	3	No	No	No
Sin Nombre virus (formerly Muerto Canyon)	3	3	-	Yes	Yes	No
St. Louis encephalitis virus	3	-	-	Yes	Yes	No
<i>Staphylococcus pasteurii</i>	-	3	-	No	No	No
Suid herpesvirus 1 (Pseudorabiesvirus, see: Aujeszky's disease virus)	-	3	3	Yes	Yes	No
Swine vesicular disease virus (see: Porcine enterovirus type 9)	-	3	4	Yes	Yes	Yes
<i>Taenia solium</i>	3	-	-	No	No	No
Tick-borne encephalitis virus European subtype	3	3	-	No	No	No
Tick-borne encephalitis virus Far Eastern subtype	3	3	-	Yes	Yes	Yes
Tick-borne encephalitis virus Siberian subtype	3	3	-	No	No	Yes
Toggenburg virus	-	3	-	No	No	No
Tonate virus	3	-	-	No	No	No
Transmissible spongiform encephalopathies (TSEs)	3	-	-	No	No	No
<i>Trypanosoma brucei rhodesiense</i>	3	-	-	No	No	No
<i>Trypanosoma cruzi</i>	3	-	-	No	No	No
Uganda S-Virus	-	-	3	No	No	No
Variola virus (major, smallpox virus)	4	-	-	Yes	Yes	Yes
Variola virus (minor, also known as Alastrim)	4	-	-	Yes	Yes	Yes
Venezuelan equine encephalitis virus	3	3	3	Yes	Yes	Yes
Verotoxin producing <i>E. coli</i> (VTEC) or verocytotoxin producing <i>E. coli</i> (VTEC) (see: Enterohaemorrhagic <i>E. coli</i> (EHEC) or Shiga toxin producing <i>Escherichia coli</i> (STEC))	3	3	-	Yes	Yes	No
Vesicular exanthema of swine virus	2	2	3	No	No	No
Vesicular stomatitis virus (Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus, New Jersey vesiculovirus)	-	3	3	Yes	Yes	No
<i>Vibrio cholerae</i>	2	2	-	Yes	Yes	No
Wesselsbron virus	3	-	-	No	No	No
West Nile virus	3	3	3	No	No	No
Western equine encephalitis virus	3	3	3	Yes	Yes	No
Whitewater Arroyo mammarenavirus	3	-	-	No	No	No
Yellow fever virus	3	3	-	Yes	Yes	No
<i>Yersinia pestis</i>	3	3	-	Yes	Yes	Yes
<i>Yersinia pseudotuberculosis</i>	2	2	-	No	W	No
Yokose virus	-	3	-	No	No	No
Zika virus	2	3	-	No	No	No

**Explanation**  
 In the table, high-risk pathogens (biosafety classification 3/4) and pathogens known from various biosecurity lists are listed in alphabetical order.  
 Name of agent: When several names are known for a pathogen, they appear in several places in the table. The other names of the agent are given in parentheses.  
 Biosafety Classification: the numbers indicate the classification, "-" means that the microorganism is not classified.  
 Biosecurity: "Yes" and "No" indicate whether or not the microorganism appears on the list, "W" means that the microorganism is not on the list, but serves as a warning.

**References**  
 \*1. DIRECTIVE 2000/54/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the protection of workers from risks related to exposure to biological agents at work (seventh individual directive within the meaning of Article 16 (1) of Directive 89/391/EEC) (18 september 2000) (version: 20-11-2019)  
 \*2. List of pathogenic microorganisms and agents, National Regulation on Genetically Modified Organisms (GMO) 2013, Ministry of Infrastructure and Water Management, The Netherlands (Appendix 4) (version 01-07-2022)  
 \*3. Netherlands National regulation, List of Animal Pathogens, Environmental Management Activities Regulation, Regulation of the Minister of Housing, Spatial Planning, and the Environment of November 9, 2007, no. DJZ2007104180, containing general rules for installations (Regulation general rules for environmental management installations). (Appendix 3) (version 05-11-2022).  
 \*4. EU Dual-Use export control regime: Regulation (EU) 2021/821 of the European Parliament and of the Council of 20 May 2021 setting up a Union regime for the control of exports, brokering, technical assistance, transit and transfer of dual-use items (version 28-05-2023)  
 \*5. The Australia Group - Biological Agents (version 30-11-2022)  
 \*6. HHS and USDA Select Agents and Toxins. 7 CFR Part 331, 9 CFR Part 121, and 42 CFR Part 73 (version 30-08-2022)