

List of biological agents	Group				Devices suggested
	1	2	3	4	
<b>BACTERIA</b>					
Actinobacillusactinomycetemcomitans		2			Biodust mask
Actinomadura madurae		2			Biodust mask
Actinomadura pelletieri		2			Biodust mask
Actinomycesgerencs eriae		2			Biodust mask
Actinomycesis raelii		2			Biodust mask
Actinomycespyogenes		2			Biodust mask
Actinomyces spp.		2			Biodust mask
Arcanobacterium haemolyticum (Corynebacterium haemolyticum)		2			Biodust mask
Bacillusanthracis			3		Biodust mask or bio filter
Bacteroidesfragilis		2			Biodust mask
Bartonella bacillifonnis		2			Biodust mask
Bartonella quintana (Rochalimaea quintana)		2			Biodust mask
Bartonella (Rochalinea) spp.		2			Biodust mask
Bordetella bronchiseptica		2			Biodust mask
Bordetella parapertussis		2			Biodust mask
Bordetella pertussis		2			Biodust mask
Borrelia burgdorferi		2			Biodust mask
Borrelia duttonii		2			Biodust mask
Borrelia recurrentis		2			Biodust mask
Borrelia spp.		2			Biodust mask
Brucella abortus			3		Biodust mask or bio filter
Brucella canis			3		Biodust mask or bio filter
Brucella melitensis			3		Biodust mask or bio filter
Brucella suis			3		Biodust mask or bio filter
Burkholderia mallei (Pseudomonas mallei)			3		Biodust mask or bio filter
Burkholderia pseudomallei (Pseudomonas pseudomallei)			3		Biodust mask or bio filter
Campylobacter fetus		2			Biodust mask
Campylobacter jejuni		2			Biodust mask
Campylobacter spp.		2			Biodust mask
Cardiobacterium hominis		2			Biodust mask
Chlamydia pneumoniae		2			Biodust mask
Chlamydia trachomatis		2			Biodust mask
Chlamydia psittaci (avian strains)			3		Biodust mask or bio filter
Chlamydia psittaci (other strains)		2			Biodust mask
Clostridium botulinum		2			Biodust mask
Clostridium perfringens		2			Biodust mask
Clostridium tetani		2			Biodust mask
Clostridium spp.		2			Biodust mask
Corynebacterium diphtheriae		2			Biodust mask
Corynebacterium minutissimum		2			Biodust mask
Corynebacterium pseudotuberculosis		2			Biodust mask
Corynebacterium spp.		2			Biodust mask
Coxiella burnetii			3		Biodust mask or bio filter
Edwardsiella tarda		2			Biodust mask
Ehrlichia sennetsu (Rickettsia sennetsu)		2			Biodust mask
Ehrlichia spp.		2			Biodust mask
Eikenella corrodens		2			Biodust mask
Enterobacter aerogenes/cloacae		2			Biodust mask
Enterobacter spp.		2			Biodust mask
Enterococcus spp.		2			Biodust mask
Erysipelothrix rhusiopathiae		2			Biodust mask
Escherichia coli (with the exception of non-pathogenic strains)		2			Biodust mask

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Escherichia coli, verocytotoxigenic strains (e.g. O157:H7 or O103)		3	Biodust mask or bio filter
Flavobacterium meningosepticum	2		Biodust mask
Fluoribacter bozemanai (Legionella)	2		Biodust mask
Francisella tularensis (Type A)		3	Biodust mask or bio filter
Francisella tularensis (Type B)	2		Biodust mask
Fusobacterium necrophorum	2		Biodust mask
Gardnerella vaginalis	2		Biodust mask
Haemophilusducreyi	2		Biodust mask
Haemophilusinfluenzae	2		Biodust mask
Haemophilus spp.	2		Biodust mask
Helicobacter pylori	2		Biodust mask
Klebsiella oxytoca	2		Biodust mask
Klebsiella pneumoniae	2		Biodust mask
Klebsiella spp.	2		Biodust mask
Legionella pneumophila	2		Biodust mask
Legionella spp.	2		Biodust mask
Leptospira interrogans (all serovars)	2		Biodust mask
Listeria monocytogenes	2		Biodust mask
Listeria ivanovii	2		Biodust mask
Morganella morganii	2		Biodust mask
Mycobacterium africanum		3	Biodust mask or bio filter
Mycobacterium avium/intracellulare	2		Biodust mask
Mycobacterium bovis (except BCG strain)		3	Biodust mask or bio filter
Mycobacterium chelonae	2		Biodust mask
Mycobacterium fortuitum	2		Biodust mask
Mycobacterium kansasii	2		Biodust mask
Mycobacterium leprae		3	Biodust mask or bio filter
Mycobacterium malmoense	2		Biodust mask
Mycobacterium marinum	2		Biodust mask
Mycobacterium microti		3	Biodust mask or bio filter
Mycobacterium paratuberculosis	2		Biodust mask
Mycobacterium scrofulaceum	2		Biodust mask
Mycobacterium simiae	2		Biodust mask
Mycobacterium szulgai	2		Biodust mask
Mycobacterium tuberculosis		3	Biodust mask or bio filter
Mycobacterium ulcerans		3	Biodust mask or bio filter
Mycobacterium xenopi	2		Biodust mask
Mycoplasma caviae	2		Biodust mask
Mycoplasma hominis	2		Biodust mask
Mycoplasma pneumoniae	2		Biodust mask
Neisseria gonorrhoeae	2		Biodust mask
Neisseria meningitidis	2		Biodust mask
Nocardia asteroides	2		Biodust mask
Nocardia brasiliensis	2		Biodust mask
Nocardia farcinica	2		Biodust mask
Nocardia nova	2		Biodust mask
Nocardia otitidiscaviarum	2		Biodust mask
Pasteurella multocida	2		Biodust mask
Pasteurella spp.	2		Biodust mask
Peptostreptococcus anaerobius	2		Biodust mask
Plesiomonas shigelloides	2		Biodust mask
Porphyromonas spp.	2		Biodust mask
Prevotella spp.	2		Biodust mask

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Proteusmirabilis	2				Biodust mask
Proteuspenneri	2				Biodust mask
Proteusvulgaris	2				Biodust mask
Providencia alcalifaciens	2				Biodust mask
Providencia rettgeri	2				Biodust mask
Providencia spp.	2				Biodust mask
Pseudomonas aeruginosa	2				Biodust mask
Rhodococcusequi	2				Biodust mask
Rickettsia akari 3			3		Biodust mask or bio filter
Rickettsia canada			3		Biodust mask or bio filter
Rickettsia conorii			3		Biodust mask or bio filter
Rickettsia montana			3		Biodust mask or bio filter
Rickettsia typhi (Rickettsia mooseri)			3		Biodust mask or bio filter
Rickettsia prowazekii			3		Biodust mask or bio filter
Rickettsia rickettsii			3		Biodust mask or bio filter
Rickettsia tsutsugamushi			3		Biodust mask or bio filter
Rickettsia spp.	2				Biodust mask
Salmonella arizonae	2				Biodust mask
Salmonella enteritidis	2				Biodust mask
Salmonella typhimurium	2				Biodust mask
Salmonella paratyphi	2				Biodust mask
Salmonella typhi 3			3		Biodust mask or bio filter
Salmonella (other serovars)	2				Biodust mask
Serpulina spp.	2				Biodust mask
Shigella boydii	2				Biodust mask
Shigella dysenteriae (Type 1)			3		Biodust mask or bio filter
Shigella flexneri	2				Biodust mask
Shigella sonnei	2				Biodust mask
Staphylococcus aureus	2				Biodust mask
Streptobacillusmoniliformis	2				Biodust mask
Streptococcus pneumoniae	2				Biodust mask
Streptococcus pyogenes	2				Biodust mask
Streptococcus uis	2				Biodust mask
Streptococcus spp.	2				Biodust mask
Treponema carateum	2				Biodust mask
Treponema pallidum	2				Biodust mask
Treponema pertenue	2				Biodust mask
Treponema spp.	2				Biodust mask
Vibrio cholerae (including El Tor)	2				Biodust mask
Vibrio parahaemolyticus	2				Biodust mask
Vibrio spp.	2				Biodust mask
Yersinia enterocolitica	2				Biodust mask
Yersinia pestis			3		Biodust mask or bio filter
Yersinia pseudotuberculosis	2				Biodust mask
Yersinia spp.	2				Biodust mask
<b>VIRUSES</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
Adenoviridae	2				Biodust mask
LCM-Lassa-virus complex (old world arena viruses):					
Lassa virus				4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Lymphocytic (strains)			3		Biodust mask or bio filter

List of biological agents	Group		Devices suggested
Lymphocytic choriomeningitis virus (other strains)	2		Biodust mask
Mopeia virus	2		Biodust mask
Other LCM-Lassa complex viruses	2		Biodust mask
Tacaribe-Virus-complex (new world arena viruses):			
Guanarito virus		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Junin virus		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Sabia virus		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Machupo virus		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Flexal virus		3	Biodust mask or bio filter
Other Tacaribe complex viruses	2		Biodust mask
Astroviridae	2		Biodust mask
Belgrade (also known as Dobrava)		3	Biodust mask or bio filter
Bhanja	2		Biodust mask
Bunyamwera virus	2		Biodust mask
Germiston	2		Biodust mask
Oropouche virus		3	Biodust mask or bio filter
Sin Nombre (formerly Muerto Canyon)		3	Biodust mask or bio filter
California encephalitis virus	2		Biodust mask
Hantaviruses:			
Hantaan (Korean haemorrhagic fever)		3	Biodust mask or bio filter
Seoul virus		3	Biodust mask or bio filter
Puumala virus	2		Biodust mask
Prospect Hill virus	2		Biodust mask
Other hantaviruses	2		Biodust mask
Nairoviruses:			
Crimean-Congo haemorrhagic fever		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Hazara virus	2		Biodust mask
Phleboviruses:			
Rift Valley fever		3	Biodust mask or bio filter
Sandfly fever	2		Biodust mask
Toscana virus	2		Biodust mask
Other bunyaviridae known to be pathogenic	2		Biodust mask
Hepatitis E virus		3	Biodust mask or bio filter
Norwalk virus	2		Biodust mask
Other Caliciviridae	2		Biodust mask
Coronaviridae	2		Biodust mask
Ebola virus		4	Biodust mask or bio filter
Marburg virus		4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Australia encephalitis (Murray Valley encephalitis)		3	Biodust mask or bio filter
Central European tick-borne encephalitis virus		3	Biodust mask or bio filter
Absettarov		3	Biodust mask or bio filter
Hanzalova		3	Biodust mask or bio filter
Hypr		3	Biodust mask or bio filter
Kumlinge		3	Biodust mask or bio filter
Dengue virus		3	Biodust mask or bio filter

List of biological agents	Group	Devices suggested
Hepatitis C virus	3	Biodust mask or bio filter
Hepatitis G virus	3	Biodust mask or bio filter
Japanese B encephalitis	3	Biodust mask or bio filter
Kyasanur Forest	3	Biodust mask or bio filter
Louping ill	3	Biodust mask or bio filter
Omsk	3	Biodust mask or bio filter
Powassan	3	Biodust mask or bio filter
Rocio	3	Biodust mask or bio filter
Russian spring-summer encephalitis (TBE)	3	Biodust mask or bio filter
St Louis encephalitis	3	Biodust mask or bio filter
Wesselsbron virus	3	Biodust mask or bio filter
West Nile fever virus	3	Biodust mask or bio filter
Yellow fever	3	Biodust mask or bio filter
Other flaviviruses known to be pathogenic	2	Biodust mask
Hepatitis B virus	3	Biodust mask or bio filter
Hepatitis D virus (Delta)	3	Biodust mask or bio filter
Cytomegalovirus	2	Biodust mask
Epstein-Barr virus	2	Biodust mask
Herpesvirus simiae (B virus)	3	Biodust mask or bio filter
Herpes simplex virus types 1 and 2	2	Biodust mask
Herpesvirus varicella-zoster	2	Biodust mask
Human B-lymphotropic virus (HBLV-HHV6)	2	Biodust mask
Human herpes virus 7	2	Biodust mask
Human herpes virus 8	2	Biodust mask
Influenza viruses types A, B and C	2	Biodust mask
Tick-borne orthomyxoviridae: Dhori and Thogoto	2	Biodust mask
BK and JC viruses	2	Biodust mask
Human papillomaviruses	2	Biodust mask
Measles virus	2	Biodust mask
Mumps virus	2	Biodust mask
Newcastle disease virus	2	Biodust mask
Parainfluenza viruses types 1 to 4	2	Biodust mask
Respiratory syncytial virus	2	Biodust mask
Human parvovirus (B 19)	2	Biodust mask
Acute haemorrhagic conjunctivitis virus (AHC)	2	Biodust mask
Coxsackie viruses	2	Biodust mask
Echo viruses	2	Biodust mask
Hepatitis A virus (human enterovirus type 72)	2	Biodust mask
Polioviruses	2	Biodust mask
Rhinoviruses	2	Biodust mask
Buffalopox virus	2	Biodust mask
Cowpox virus	2	Biodust mask
Elephantpox virus	2	Biodust mask
Milkers' node virus	2	Biodust mask
Molluscum contagiosum virus	2	Biodust mask
Monkeypox virus	3	Biodust mask or bio filter
Orf virus	2	Biodust mask
Rabbitpox virus	2	Biodust mask
Whitepox virus ('Variola virus')	4	Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Yatapox virus (Tana & Yaba)	2	Biodust mask
Coltivirus	2	Biodust mask
Human rotaviruses	2	Biodust mask

List of biological agents	Group				Devices suggested
Orbiviruses	2				Biodust mask
Reuviruses	2				Biodust mask
Human immunodeficiency viruses		3			Biodust mask or bio filter
Human T-cell lymphotropic viruses (HTLV), types 1 and 2		3			Biodust mask or bio filter
SIV (h)		3			Biodust mask or bio filter
Rabies virus		3			Biodust mask or bio filter
Vesicular stomatitis virus	2				Biodust mask
Eastern equine encephalomyelitis		3			Biodust mask or bio filter
Bebaru virus	2				Biodust mask
Chikungunya virus		3			Biodust mask or bio filter
Everglades virus		3			Biodust mask or bio filter
Mayaro virus		3			Biodust mask or bio filter
Mucambo virus		3			Biodust mask or bio filter
Ndumu virus		3			Biodust mask or bio filter
O'nyong-nyong virus	2				Biodust mask
Ross River virus	2				Biodust mask
Semliki Forest virus	2				Biodust mask
Sindbis virus	2				Biodust mask
Tonate virus		3			Biodust mask or bio filter
Venezuelan equine encephalomyelitis		3			Biodust mask or bio filter
Western equine encephalomyelitis		3			Biodust mask or bio filter
Other known alphaviruses	2				Biodust mask
Rubivirus (rubella)	2				Biodust mask
Toroviridae	2				Biodust mask
Equine morbillivirus			4		Full Barrier Personal Protective Equipment (PPE) with Powered Air Purifying Respirator (PAPR) with BIO P3 filter
Hepatitis viruses not yet identified		3			Biodust mask or bio filter
Unconventional agents associated with the transmissible spongiform encephalopathies (TSEs)					
Creutzfeldt-Jakob disease		3			Biodust mask or bio filter
Variant Creutzfeldt-Jakob disease		3			Biodust mask or bio filter
Bovine spongiform encephalopathy (BSE) and other related animal TSEs		3			Biodust mask or bio filter
Gerstmann-Sträussler-Scheinker syndrome		3			Biodust mask or bio filter
Kuru		3			Biodust mask or bio filter
<b>PARASITES</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
Acanthamoeba castellani		2			Biodust mask
Ancylostoma duodenale		2			Biodust mask
Angiostrongylus cantonensis		2			Biodust mask
Angiostrongylus costaricensis		2			Biodust mask
Ascaris lumbricoides		2			Biodust mask
Ascaris suum		2			Biodust mask
Babesia divergens		2			Biodust mask
Babesia microti		2			Biodust mask
Balantidium coli		2			Biodust mask
Brugia malayi		2			Biodust mask
Brugia pahangi		2			Biodust mask
Capillaria philippinensis		2			Biodust mask
Capillaria spp.		2			Biodust mask
Clonorchis sinensis		2			Biodust mask
Clonorchisviverrini		2			Biodust mask
Cryptosporidium parvum		2			Biodust mask

List of biological agents	Group		Devices suggested
Cryptosporidium spp.	2		Biodust mask
Cyclospora cayetanensis	2		Biodust mask
Dipetalonema streptocerca	2		Biodust mask
Diphyllobothrium latum	2		Biodust mask
Dracunculus medinensis	2		Biodust mask
Echinococcus granulosus		3	Biodust mask or bio filter
Echinococcus multilocularis		3	Biodust mask or bio filter
Echinococcus vogeli		3	Biodust mask or bio filter
Entamoeba histolytica	2		Biodust mask
Fasciola gigantica	2		Biodust mask
Fasciola hepatica	2		Biodust mask
Fasciolopsis buski	2		Biodust mask
Giardia lamblia (Giardia intestinalis)	2		Biodust mask
Hymenolepis diminuta	2		Biodust mask
Hymenolepis nana	2		Biodust mask
Leishmania brasiliensis		3	Biodust mask or bio filter
Leishmania donovani		3	Biodust mask or bio filter
Leishmania ethiopia	2		Biodust mask
Leishmania mexicana	2		Biodust mask
Leishmania peruviana	2		Biodust mask
Leishmania tropica	2		Biodust mask
Leishmania major	2		Biodust mask
Leishmania spp.	2		Biodust mask
Loa loa	2		Biodust mask
Mansonella ozzardi	2		Biodust mask
Mansonella perstans	2		Biodust mask
Naegleria fowleri		3	Biodust mask or bio filter
Necator americanus	2		Biodust mask
Onchocerca volvulus	2		Biodust mask
Plasmodium falciparum		3	Biodust mask or bio filter
Plasmodium spp. (human and simian)	2		Biodust mask
Sarcocystis suis hominis	2		Biodust mask
Schistosoma haematobium	2		Biodust mask
Schistosoma intercalatum	2		Biodust mask
Schistosoma japonicum	2		Biodust mask
Schistosoma mansoni	2		Biodust mask
Schistosoma mekongi	2		Biodust mask
Strongyloides stercoralis	2		Biodust mask
Strongyloides spp.	2		Biodust mask
Taenia saginata	2		Biodust mask
Taenia solium		3	Biodust mask or bio filter
Toxocara canis	2		Biodust mask
Toxoplasma gondii	2		Biodust mask
Trichinella spiralis	2		Biodust mask
Trichuris trichiura	2		Biodust mask
Trypanosoma brucei brucei	2		Biodust mask
Trypanosoma brucei gambiense	2		Biodust mask
Trypanosoma brucei rhodesiense		3	Biodust mask or bio filter
Trypanosoma cruzi	2		Biodust mask
Wuchereria bancrofti	2		Biodust mask

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	1	2	3	4	
<b>FUNGI</b>					
Aspergillus fumigatus		2			Biodust mask
Blastomyces dermatitidis (Ajellomyces dermatitidis)			3		Biodust mask or bio filter
Candida albicans		2			Biodust mask
Candida tropicalis		2			Biodust mask
Cladophialophora bantiana (formerly: Xylohypha bantiana, Cladosporium bantianum or trichoides)			3		Biodust mask or bio filter
Coccidioides immitis			3		Biodust mask or bio filter
Cryptococcus neoformans var. neoformans (Filobasidiella neoformans var. neoformans)		2			Biodust mask
Cryptococcus neoformans var. gattii (Filobasidiella bacillispora)		2			Biodust mask
Emmonsia parva var. parva		2			Biodust mask
Emmonsia parva var. crescens		2			Biodust mask
Epidermophyton floccosum		2			Biodust mask
Fonsecaea compacta		2			Biodust mask
Fonsecaea pedrosoi		2			Biodust mask
Histoplasma capsulatum var. capsulatum (Ajellomyces capsulatus)			3		Biodust mask or bio filter
Histoplasma capsulatum duboisii			3		Biodust mask or bio filter
Madurella grisea		2			Biodust mask
Madurella mycetomatis		2			Biodust mask
Microsporium spp.		2			Biodust mask
Neotestudina rosatii		2			Biodust mask
Paracoccidioides brasiliensis			3		Biodust mask or bio filter
Penicillium marneffei		2			Biodust mask
Scedosporium apiospermum (Pseudallescheria boydii)		2			Biodust mask
Scedosporium prolificans (inflatum)		2			Biodust mask
Sporothrix schenckii		2			Biodust mask
Trichophyton rubrum		2			Biodust mask
Trichophyton spp.		2			Biodust mask