# List of standard laboratory microorganisms and infectious agents

* *Achromobacter* spp.
* *Acidianus* spp.
* *Acidiphilium* spp.
* *Acidithiobacillus* spp.
* *Acremonium cellulolyticus*
* *Actinomadura malachitica*
* *Actinomadura viridis*
* *Actinomyces rectiverticillatus*
* Adeno-associated virus
* *Aeromonas hydrophila*
* *Alcaligenes denitrificans*
* *Alicyclobacillus* spp.
* *Ampelomyces Quisqualis*
* *Anabaena* *cylindrica*
* *Anaerobacter polyendosporus*
* *Aneurinibacillus migulanus* (formerly *Bacillus migulanus)*
* *Aquifex* spp.
* *Arthrobacter picolinophilus*
* *Arthrobacter* spp.
  + *Aspergillus alabamensis*
  + *Aspergillus austroafricanus*
  + *Aspergillus clavatus*
  + *Aspergillus creber*
  + *Aspergillus flavus*
  + *Aspergillus fumigatus*
  + *Aspergillus japonicus*
  + *Aspergillus nidulans*
  + *Aspergillus phoenicis*
  + *Aspergillus pseudodeflectus*
  + *Aspergillus sydowii*
  + *Aspergillus tamarii*
  + *Aspergillus terreus*
  + *Aspergillus versicolor*
* *Azorhizobium caulinodans*
* *Azotobacter* spp.
* *Bacillus atrophaeus* (formerly *Bacillus subtilis* var*. niger*)
* *Bacillus brevis* syn*. Brevibacillus brevis*
* *Bacillus cereus* excludingBiovar *anthracis*
* *Bacillus fluorescens putidus*
* *Bacillus geniculatus*
* *Bacillus ginsengihumi*
* *Bacillus licheniformis*
* *Bacillus megaterium* (excluding pv*. cerealis*)
* *Bacillus mesentericus*
* *Bacillus methylotrophicus*
* *Bacillus mojavensis*
* *Bacillus pasteurii*
* *Bacillus pumilus* (formerly known as *Bacillus aminoglucosidicus*)
* *Bacillus putidus*
* *Bacillus simplex*
* *Bacillus sphaericus*
* *Bacillus stearothermophilus*
* *Bacillus subtilis*
* *Bacillus thuringiensis*
* *Bacteroides* spp*.*
* *Bartonella* spp*.* (excluding *B. bacilliformis*)
* *Beauveria bassiana*
* *Bordetella* spp*.*
* *Botryococcus* spp*.*
* *Brachyspira* spp*.*
* *Brevibacillus* spp*.* (excluding *B. laterosporus*)
* *Burkholderia pseudomallei*
* *Campylobacter* spp*.*
* *Caulobacter* spp*.*
* *Chlamydia trachomatis*
* *Chlamydophila pneumonia*
* *Chlorella* spp*.*
* *Chryseobacterium spp.* (excluding *C. scophthalmum*)
* *Cicinnobolus cesatti*
* *Citrobacter* spp*.*
* *Clostridium* spp*.* (excluding *C. botulinum*)
* *Comamonas acidovorans*
* *Corynebacterium spp.* (excluding *C. pseudotuberculosis*)
* Cowpox Virus
* *Cronobacter* spp*.*
* *Cryptococcus* spp*.*
* *Cryptomonas* spp*.*
* *Cryptosporidium* spp*.*
* *Dehalobacter* spp*.*
* *Dehalococcoides* spp*.*
* *Dehalogenimonas* spp*.*
* *Delftia acidovorans*
* *Desulfobacter* spp*.*
* *Desulfovibrio* spp*.*
* *Ensifer adhaerens*
* *Ensifer meliloti*
* *Entamoeba* spp*.*
* *Enterococcus spp.*
* Enterovirus (human origin only, and excluding swine vesicular disease virus and human enterovirus C)
  + *Enterobacter aerogenes*
  + *Enterobacter asburiae*
  + *Enterobacter bugandensis*
  + *Enterobacter chengduensis*
  + *Enterobacter cloacae*
  + *Enterobacter dissolvens*
  + *Enterobacter gergoviae*
  + *Enterobacter hormaechei*
  + *Enterobacter kobei*
  + *Enterobacter ludwigii*
  + *Enterobacter roggenkampii*
* *Enterobacter sakazakii*
* *Entomophthora anisopliae*
* *Erwinia tasmaniensis*
* *Escherichia* spp*.*
* *Ferroplasma* spp*.*
* *Fusarium venenatum*
* *Geobacillus* spp*.*
* *Geobacter* spp*.*
* *Giardia* spp*.*
* *Gigaspora margarita*
* *Gliocadium catenalatum*
* *Haemophilus* spp*.*
* Human Adenovirus Types 1-51
* Human coxsackieviruses 1-24
* Human echovirus 1-33
* Human hepatitis virus A, B, C, D, E, G &TTV
* Human Herpes virus 1-8 (includes Herpes simplex virus 1 and 2, Varicella zoster, Epstein-Barr virus and Cytomegalovirus)
* Human immunodeficiency virus (HIV)[[1]](#endnote-2)
* Human noroviruses
* Human papilloma virus
* Human respiratory syncytial virus
* Human rhinovirus
* *Isochrysis galbana*
* *Klebsiella* spp*.*
* *Legionella* spp*.*
* *Leptospira copenhageni* (*Leptospira interrogans* serovar *Copenhageni*)
* *Leptospira gripptotyphosa* (*Leptospira interrogans* serovar *Gripptotyphosa*)
* *Leptospira hardjobovis* (*Leptospira borgpetersenii* serovar *hardjo-bovis*)
* *Leptospira icterohaemorrhagiae* (*Leptospira interrogans* serovar *Icterohaemorrhagiae*)
* *Leptospira pomona* (*Leptospira interrogans* serovar *Pomona*)
* *Leptospirillum* spp*.*
* *Listeria* spp*.*
* *Magnetospirillum* spp*.* (*formerly Aquaspirillum* spp*.*)
* *Metapneumovirus hominis* (Human metapneumovirus)
* *Metarhizium acridum*
* *Metarhizium anisopliae* var*. anisopliae*
* *Methanococcus* spp*.*
* *Microtetraspora viridis*
* *Moraxella spp. (*includes subgen. *Branhamella* and subgen. *Moraxella)* (excluding *M. anatipestifer*)
* *Morganella spp.*
* Murine cytomegalovirus (MCMV)
* Murine leukaemia virus
* *Mycobacterium* spp. (excluding *M. bovis, M. caprae* anddrug resistant strains of *M. tuberculosis* complex)
* *Mycoplasma pneumoniae*
* *Nannochloropsis* spp*.*
* *Neisseria* spp*.*
* *Nocardia calcarea*
* *Ochrobactrum anthropi*
* *Paenarthrobacter* spp*.*
* *Paenibacillus alvei*
* *Paenibacillus brasilensis*
* Parainfluenza virus (human)
* *Pediococcus* spp*.*
* *Penicillium chrysogenum*
* *Penicillium oxalicum*
* *Penicillium velutinum*
* *Pleomorphomonas oryzae*
* *Porphyromonas* spp*.*
* *Proteus* spp*.*
* *Providencia* spp*.*
* *Pseudomonas acidovorans*
* *Pseudomonas aeruginosa*
* *Pseudomonas antarctica*
* *Pseudomonas citronellolis*
* *Pseudomonas convexa*
* *Pseudomonas eisenbergii*
* *Pseudomonas fluorescens (*excludingbiovar *II)*
* *Pseudomonas geniculata*
* *Pseudomonas incognita*
* *Pseudomonas monteilii*
* *Pseudomonas ovalis*
* *Pseudomonas putida*
* *Pseudomonas rugosa*
* *Pseudomonas striata*
* *Rhizobium meliloti*
* *Rhodobacter* spp*.*
* *Rhodococcus aetherivorans*
* *Rhodococcus cercidiphyli*
* *Rhodococcus corynebacteroides*
* *Rhodococcus equi*
* *Rhodococcus erythropolis*
* *Rhodococcus fascians*
* *Rhodococcus globerulus*
* *Rhodococcus kyotonensis*
* *Rhodococcus marinonascens*
* *Rhodococcus opacus*
* *Rhodococcus phenolicus*
* *Rhodococcus ruber*
* *Rhodococcus wratislaviensis*
* *Rhodococcus yunnanensis*
* *Rhodococcus zopfii*
* *Roseomonas* spp*.*
* Rubella virus
* *Rubrivivax* spp*.*
* *Saccharopolyspora spinosa*
* *Saccharopolyspora* spp*.*
* *Salmonella Adelaide* (*Salmonella enterica* subsp*. enterica* serovar *Adelaide*)
* *Salmonella Agona* (*Salmonella enterica* subsp*. enterica* serovar *Agona*)
* *Salmonella Derby* (*Salmonella enterica* subsp*. enterica* serovar *Derby*)
* *Salmonella Salford* (*Salmonella enterica* subsp*. enterica* serovar *Salford*)
* *Salmonella Senftenberg* (*Salmonella enterica* subsp*. enterica* serovar *Senftenberg*)
* *Scutellospora dipurpurescens*
* *Serratia* spp*.*
* *Shewanella* spp*.* (excluding *Shewanella marisflavi*)
* *Shigella* spp*.*
* Sindbis virus
* *Sinorhizobium adhaerens*
* *Sinorhizobium meliloti*
* *Sporosarcina pasteurii*
* *Staphylococcus* spp*.*
* *Stenotrophomonas* spp.
* *Streptococcus* spp*.*
* *Streptomyces rectiverticillatus*
* *Streptoverticillium rectiverticillatum*
* *Suillus granulatus*
* *Sulfobacillus* spp*.*
* *Sulfolobus* spp*.*
* *Sulfurisphaera* spp*.*
* *Tetrahymena* spp*.*
* *Thermus* spp*.*
* *Thiobacillus* spp*.*
* *Toxoplasma* spp*.*
* *Tritirachium shiotae*
* *Tritirachium shiotae*
* *Vaccinia* virus
* *Vibrio alginolyticus*
* *Vibrio cholerae* (excluding serotype 01 and serotype 0139)
* *Vibrio parahaemolyticus* (excluding VPAHPND strains with plasmid coding for Pir toxin homologues)
* *Vibrio vulnificus* (excluding biovar II)
* *Wolinella succinogens*
* *Xanthobacter* spp*.*
* *Yersinia enterocolitica*

1. Culturing of infectious HIV must be conducted in a Physical Containment level 3 (PC3) or higher. The facility must use PC3 work practices as recommended under the Australian/New Zealand Standard Safety in laboratories Part 3: Microbiological safety and containment (AS/NZS 2243.3:2022). [↑](#endnote-ref-2)