**Recombinant DNA Select Agent research utilizing viable select agents is reviewed by the CDC Select Agent Program. The NIH Guidelines do not differentiate, the organisms listed here are Risk Group 3 organisms, evaluation of rDNA research where fragments of DNA are utilized is based on this designation.**

# Refer also to the CDC/NIH publication, [*Biosafety in Microbiological and Biomedical Laboratories (BMBL), 6th ed*](https://www.cdc.gov/labs/BMBL.html)*.*

## Appendix B-III-A. Risk Group 3 (RG3) - Bacterial Agents Including Rickettsia

* *Bartonella*
* *Brucella* including *B. abortus, B. canis*, *B. suis*
* *Burkholderia (Pseudomonas) mallei, B. pseudomallei*
* *Coxiella burnetii*
* *Francisella tularensis*
* *Mycobacterium bovis* (except BCG strain), *M. tuberculosis*
* *Pasteurella multocida* type B -"buffalo" and other virulent strains
* Rickettsia akari, R. australis, R. canada, R. conorii, R. prowazekii, R. rickettsii, R, siberica, R. tsutsugamushi, R. typhi (R. mooseri)
* *Yersinia pestis*

## Appendix B-III-B. Risk Group 3 (RG3) - Fungal Agents

* *Coccidioides immitis* (sporulating cultures; contaminated soil)
* *Histoplasma capsulatum, H. capsulatum var.. duboisii*

## Appendix B-III-C. Risk Group 3 (RG3) - Parasitic Agents

None

## Appendix B-III-D. Risk Group 3 (RG3) - Viruses and Prions

Alphaviruses (Togaviruses) - Group A Arboviruses

* Semliki Forest virus
* St. Louis encephalitis virus
* Venezuelan equine encephalomyelitis virus (except the vaccine strain TC-83, RG2)

Arenaviruses

* Flexal
* Lymphocytic choriomeningitis virus (LCM) (neurotropic strains)

Bunyaviruses

* Hantaviruses including Hantaan virus
* Rift Valley fever virus

Flaviviruses (Togaviruses) - Group B Arboviruses

* Japanese encephalitis virus
* Yellow fever virus

Poxviruses

* Monkeypox virus

Prions

* Transmissible spongioform encephalopathies (TME) agents (Creutzfeldt-Jacob disease and kuru agents)

Retroviruses

* Human immunodeficiency virus (HIV) types 1 and 2
* Human T cell lymphotropic virus (HTLV) types 1 and 2
* Simian immunodeficiency virus (SIV)

Rhabdoviruses

* Vesicular stomatitis virus