

UC Riverside Reproductive Hazard Questionnaire

Appendix C: Biological Agents that Are Potential Reproductive Health Hazards

This appendix provides examples of biological agents associated with potential reproductive or pregnancy-related health impacts. It is not exhaustive. Always consult current guidance (e.g., CDC/PHAC) and EH&S/Occupational Health for case-specific review.

Agent Name/Description	Disease Name/Description	References
Bacteria		
Brucella spp. (B. abortus, B. canis, B. suis, B. melitensis)	Brucellosis; undulant fever; Bang's disease; Mediterranean fever; Malta fever	https://www.cdc.gov/brucellosis/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/brucella-b-abortus-b-canis-b-melitensis-b-suis-material-safety-data-sheets-msds.html
Listeria monocytogenes	Listeriosis	https://www.cdc.gov/listeria/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/listeria-monocytogenes.html
Fungi		
Coccidioides immitis and related species	Coccidioidomycosis; Valley fever	https://www.cdc.gov/valley-fever/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/coccidioides.html
Viruses		
Cytomegalovirus (CMV)	Congenital CMV; infectious mononucleosis; retinitis; glandular fever	https://www.cdc.gov/cytomegalovirus/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/cytomegalovirus.html

		assessment/cytomegalovirus.html
Ebola virus	Ebola virus disease (EVD); Ebola hemorrhagic fever	https://www.cdc.gov/vhf/ebola/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/ebolavirus.html
Hepatitis B virus (HBV)	Hepatitis B	https://www.cdc.gov/hepatitis-b/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/hepatitis-b-virus.html
Hepatitis C virus (HCV)	Hepatitis C	https://www.cdc.gov/hepatitis-c/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/hepatitis-c-virus.html
Hepatitis E virus (HEV)	Hepatitis E	https://www.cdc.gov/hepatitis-e/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/hepatitis-e-virus.html
Herpesviruses (various)	Various (e.g., herpes simplex; roseola/sixth disease; infectious mononucleosis; chickenpox/shingles)	https://www.cdc.gov/herpes/site.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/herpes-simplex-virus.html
Human immunodeficiency virus (HIV)	Acquired immunodeficiency syndrome (AIDS)	https://www.cdc.gov/hiv/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/human-immunodeficiency-virus.html

Influenza virus	Influenza	https://www.cdc.gov/flu/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/influenza-virus-type-a.html
Measles virus (morbillivirus)	Measles; rubeola	https://www.cdc.gov/measles/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/measles-virus.html
Parvovirus B19	Fifth disease	https://www.cdc.gov/parvovirus-b19/site.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/parvovirus-b19.html
Rubivirus (togavirus)	Rubella (German measles)	https://www.cdc.gov/rubella/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/rubella-virus.html
Varicella zoster virus (VZV; herpesvirus)	Chickenpox/shingles	https://www.cdc.gov/chickenpox/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/varicella-zoster-virus.html
Zika virus (flavivirus)	Zika fever; congenital Zika syndrome (e.g., microcephaly); Guillain-Barré syndrome	https://www.cdc.gov/zika/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/zika-virus.html

Parasites		
Plasmodium spp.	Malaria	https://www.cdc.gov/malaria/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/plasmodium-falciparum.html
Toxocara spp.	Toxocariasis; visceral larva migrans (VLM)	https://www.cdc.gov/toxocariasis/site.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/toxocara-canis-toxocara-cati.html
Toxoplasma gondii	Toxoplasmosis	https://www.cdc.gov/toxoplasmosis/about/index.html https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/toxoplasma-gondii-pathogen-safety-data-sheet.html

Additional biological agents (examples) – add local context and references as needed:

Agent Name/Description	Disease Name/Description	References
Borrelia burgdorferi	Lyme disease	https://www.cdc.gov/lyme/index.html
Borrelia spp.	Relapsing fever	https://www.cdc.gov/relapsing-fever/about/index.html
Campylobacter spp.	Campylobacteriosis	https://www.cdc.gov/campylobacter/about/index.html
Chlamydia psittaci	Psittacosis	https://www.cdc.gov/psittacosis/index.html
Chlamydia trachomatis	Chlamydia infection	https://www.cdc.gov/chlamydia/about/index.html
Clostridium perfringens	Foodborne illness; gas gangrene	https://www.cdc.gov/restaurant-food-safety/php/practices/clostridium-perfringens-root-

		causes.html
Mycobacterium tuberculosis	Tuberculosis	https://www.cdc.gov/tb/index.html
Mycobacterium leprae	Leprosy (Hansen's disease)	https://www.cdc.gov/leprosy/about/index.html
Neisseria gonorrhoeae	Gonorrhea	https://www.cdc.gov/gonorrhea/about/index.html
Pasteurella multocida	Pasteurellosis	https://pmc.ncbi.nlm.nih.gov/articles/PMC10610061/
Salmonella spp.	Salmonellosis	https://www.cdc.gov/salmonella/index.html

EH&S Note: Use this appendix as a screening aid. Final determinations should be based on the specific agent/strain, route of exposure, task, controls (engineering/administrative/PPE), and medical guidance.