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For Risk Group 2 organisms the primary exposure hazards are through the ingestion, inoculation and mucous membrane routes.

Risk Group 2 organisms usually require Containment Level 2 (CL2; also called Biosafety Level 2, BSL2) containment facilities and practices as described in the PHAC Canadian Biosafety Standards and Guidelines.

Particular care is taken to use equipment and practices to contain aerosols. Biosafety Level 2 conditions avoid splashes, environmental contamination and the generation of aerosols (aerosols can settle on bench tops and become an ingestion hazard through contamination of the hands). A risk assessment of the agent or biological material (including for example such information as diseases of risk in the population from which the biological material was obtained) and the experimental procedures to be performed will help to indicate what mitigating measures should be put in place, in particular which procedures require the use of a biological safety cabinet to contain aerosols.

**Risk Group 2 Biohazardous Material Includes:**

**Agents (microorganisms) classified as requiring Biosafety Level 2 containment** on MSDS forms found on the PHAC web site at <http://www.phac-aspc.gc.ca/msds-ftss/> . ATCC classifies

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### **Revision History:**

- 1.0: Initial Release - March 11, 2008
- 2.0: Revision to describe the process for permitting work with animals potentially carrying zoonotic pathogens November 15, 2012
- 3.0 Revision to describe when a permit is required for work involving material from Specific Pathogen Free animals. Also to update legislation and biosafety standards.