

For more information please contact the BCCDC



Public Health Veterinarian: publichealthvet@bccdc.ca

BC Centre for Disease Control An agency of the Provincial Health Services Authority

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Epidemiology	<ul> <li>Caused by rabies virus (family Rhabdoviridae) - can infect all mammals</li> <li>In BC, bats are the only known reservoir. Estimated &lt;0.5% of bats in wild are infected although ~8% of tested bats are positive</li> <li>12 non-bat animal cases reported in BC between 1969-2022 (cats (5), skunk (5), beaver (1), horse (1))</li> <li>2 human rabies cases in BC due to bat exposures in 2003 and 2019</li> </ul>		
Transmission	Via contact with infected saliva or neurologic tissue through a bite, scratch, fresh break in skin or intact mucus membranes Incubation period (IP) in animals: 2 weeks- months. Can transmit rabies up to 10 days before showing signs		
Zoonotic Implications	Local public health authorities are responsible for assessing and managing risk in potentially exposed persons Veterinarians should advise clients that rabies is zoonotic and encourage to contact a healthcare provider or local public health authority Discuss any human health concerns with local public health authorities (contact info in Appendix A of the <u>Rabies Guidelines for Veterinarians</u> )		
Prevention	The rabies vaccine is recommended, but not required by law in BC. Vaccines available for cats, dogs, ferrets and livestock		
Clinical Presentation	<ul> <li><u>Dumb form</u>: Throat and masseter muscles paralyzed, excessive salivation, inability to swallow. Progressive paralysis results in death.</li> <li><u>Furious form</u>: Aggression, loss of fear, unprovoked attacks, seizure, loss of muscle coordination. Progressive paralysis results in death.</li> <li>Bats usually exhibit the dumb form with loss of flight and daytime appearances.</li> </ul>		
Euthanasia	Bats - Acceptable methods: volatile anesthetic overdose, cervical dislocation, anesthesia w/CO <sub>2</sub> followed by injectable barbiturate		
Domestic animal exposure       Consult BCCDC public health vet: publichealthvet@bccdc.ca       Rabies vaccine up-to-date       Vaccinate w/in 7 of exposure No further action       Ship to CFIA lab       Animal is rabies +       No       No further action         Vaccinate w/in 7 days or ASAP       Vaccinate w/in 7 days or ASAP       Suspect rabies source animal available for testing       No       Veterinary management - may incl. isolation and observation			
Sample Submission to CFIA Lab	<ul> <li>Small animals &lt;500g (eg. bats): entire carcass</li> <li>Most animals: submit head</li> <li>Large animals &gt;100kg: submit brain</li> <li>Small animals &lt;500g (eg. bats): entire complete e-submission form first disable PDF from opening directly in browser and download form.</li> <li>Most animals &gt;100kg: submit brain</li> </ul>	ent material eak-proof bag pleted sample submission	
Shipment	species or category B depending on risk CANADIAN FOOD INSPECTION AGENCY 403-	hbridge Rabies Lab 382-5559 eouest.acia@canada.ca	
Helpful Hints	• You must <b>download the e-submission form</b> to your desktop and open it directly on the computer and not in the browser samples can be <b>refrigerated or frozen</b> . Testing will be delayed if the sample is still frozen when it arrives at the lab.		