

Canada - SARS-CoV-2 in animals (Inf. with) - Immediate notification

GENERAL INFORMATION

The list of outbreaks presented in this document excludes previously reported outbreaks that were not updated in this report.

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
ZONE	TERRESTRIAL	Emerging	4751
DISEASE	CAUSAL AGENT	GENOTYPE / SEROTYPE / SUBTYPE	START DATE
SARS-CoV-2 in animals (Inf. with)	SARS-CoV-2	-	2022/11/07
REASON FOR NOTIFICATION	DATE OF LAST OCCURRENCE	CONFIRMATION DATE	EVENT STATUS
Emerging disease	-	2022/11/29	Resolved
END DATE	SELF-DECLARATION		
2022/11/30	NO		

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Immediate notification	IN_158086	CAN-2022-CoV-001	2022/12/16
REPORT STATUS	NO EVOLUTION REPORT		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

Two zoo female lions tested positive to SARS-CoV-2 after an episode of mild respiratory disease. Two male lions also developed clinical signs 48 hours later but were not tested. One of two Amur tigers and one of two Pallas cats also developed similar clinical signs, neither was confirmed positive to SARS-CoV-2. All cats were previously vaccinated for SARS-CoV-2 and all have recovered. The event is now considered resolved.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
lion	NEW	-	2	-	-	-
(wild)	TOTAL	-	2	-	-	-

DIAGNOSTIC DETAILS

CLINICAL SIGNS

YES

METHOD OF DIAGNOSTIC

Diagnostic test

Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result
Real-time reverse transcription polymerase chain reaction (rRT-PCR)	National Centre for Foreign Animal Disease (NCFAD), Winnipeg, Manitoba	Lion	1	2022/11/29	2022/11/29	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL

DOMESTIC ANIMALS

WILD ANIMALS

NEW OUTBREAKS

OB_109605 - AB-2022-COV-001 - CALGARY ZOO

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
AB-2022-CoV-001	2022/11/07	2022/11/30	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Alberta	Division No. 6	Calgary	Zoo
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	MEASURING UNIT
Calgary zoo	51.05 , -114.02	-	Animal

AFFECTED POPULATION DESCRIPTION

Two adult female lions, vaccinated for COVID, expressing mild clinical signs.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
lion (wild)	NEW	-	2	-	-	-	-
	TOTAL	-	2	-	-	-	-

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

-

-