Argentina - SARS-CoV-2 in animals (Inf. with) - Follow-up report 1

GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
COUNTRY/TERRITORY	TERRESTRIAL	Emerging	4199
DISEASE	**CAUSAL AGENT**	**GENOTYPE / SEROTYPE / SUBTYPE**	**START DATE**
SARS-CoV-2 in animals (Inf. with)	SARS-CoV-2	-	2020/12/07
REASON FOR NOTIFICATION	**DATE OF LAST OCCURRENCE**	**CONFIRMATION DATE**	**EVENT STATUS**
Emerging disease	-	2021/02/25	On-going
END DATE	**SELF-DECLARATION**		
-	NO		

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 1	FUR_157519	-	2023/05/04
REPORT STATUS	**NO EVOLUTION REPORT**		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive
- Contact with a person confirmed positive for COVID-19

EPIDEMIOLOGICAL COMMENTS

Analysis is being carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out under the aegis of the coronavirus unit of the MINCyT-AGENCIA-CONICET. This project performs diagnosis of companion animals living with people affected by COVID-19.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species		Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
cats (domestic)	NEW	-	-	-	-	-	-
	TOTAL	5	2	0	0	0	0
dogs (domestic)	NEW	-	-	-	-	-	-
	TOTAL	22	11	0	0	0	0

tiger (wild)	NEW	-	-	-	-	-	-
	TOTAL	1	1	0	0	0	0
big hairy armadillo (wild)	NEW	4	3	0	0	0	0
	TOTAL	4	3	0	0	0	0
all species	NEW	4	3	0	0	0	0
	TOTAL	32	17	0	0	0	0

DIAGNOSTIC DETAILS

CLINICAL SIGNS
NO

METHOD OF DIAGNOSTIC
Diagnostic test

Test name	Laboratory	Species sampled	Number of outbreaks sampled	First result date	Latest result date	Result
Real-time polymerase chain reaction (real-time PCR)	Centro de Investigación y Desarrollo de Fármacos y Bioterio, Facultad de Ciencias Veterinarias de La Pampa	Big hairy armadillo	1	2022/03/14	2022/04/12	Positive
Real-time polymerase chain reaction (real-time PCR)	Centro de Análisis Moleculares y MetabólicosLaboratorio Provincial de Referencia para Virus respiratorios y COVID-19 Ministerio de Salud. Santiago del Estero	Tiger	1	2021/06/28	2021/06/28	Positive
Reverse transcription-polymerase chain reaction (RT-PCR)	Facultad de Ciencias Veterinarias de Universidad Nacional de La Plata	Cats, Dogs	3	2021/02/25	2021/06/29	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL	DOMESTIC ANIMALS	WILD ANIMALS
Quarantine	Applied	
Disinfection	Applied	

NEW OUTBREAKS

OB_107894 - SARS-COV2 LA PAMPA ARMADILLOS - FACULTAD DE CIENCIAS VETERINARIAS UNIVERSIDAD DE LA PAMPA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-CoV2 La Pampa Armadillos	2022/03/14	2023/05/04	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
La Pampa	Maracó	-	Other

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit

Facultad de Ciencias Veterinarias Universidad de La Pampa	-35.669985 , -63.777205	-	Animal

AFFECTED POPULATION DESCRIPTION

These are four six (6) month old animals that were in the animal facility of the Faculty of Veterinary Sciences of the University of La Pampa since April 2021, to be studied for a brain neurochemistry project. Three (3) of them had been donated by rural workers in the area, and the fourth one was born in the animal facility. Upon arrival, oropharyngeal, nasal and rectal swabs and fecal samples were taken and tested as part of a surveillance project for new coronaviruses in wild animals, with negative results. During the second week of March 2022, three (3) of the four (4) animals started with respiratory signs (rhinitis, nasal discharge and sneezing), of which one (1) also showed diarrhea. At the onset of signs, none of the animal caretakers were tested for COVID-19 or had respiratory signs. All the people had been vaccinated with 2 doses of COVID vaccine, so the source of infection of the armadillos is unknown. Two (2) of the animals died of unrelated causes (one positive and one negative for SARS-CoV-2).

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
big hairy armadillo (wild) captive	NEW	4	3	0	0	0	0
	TOTAL	4	3	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

UPDATED OUTBREAKS

OB_94973 - SARS-COV2.PCIA.CHACO - RESISTENCIA CHACO

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-CoV2.Pcia.Chaco	2020/12/07	2023/05/04	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Chaco	San Fernando	-	Other
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Resistencia Chaco	-27.5 , -59.0 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

An oro-pharyngeal swab was performed. Analysis is being carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out under the aegis of the coronavirus unit of the MINCyT-AGENCIA-CONICET. This project performs diagnosis of companion animals living with people affected by COVID-19.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
cats (domestic)	NEW	-	-	-	-	-	-
	TOTAL	4	1	0	0	0	0
dogs (domestic)	NEW	-	-	-	-	-	-
	TOTAL	15	8	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_94972 - SARS-COV2.CABA - CIUDAD AUTONOMA DE BUENOS AIRES

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-CoV2.CABA	2021/04/28	2023/05/04	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Ciudad de Buenos Aires	Distrito Federal	-	Other

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Ciudad Autonoma de Buenos Aires	-34.641032 , -58.395487	-	Animal

AFFECTED POPULATION DESCRIPTION

The dog lives with two other dogs and two cats. Pharyngeal and rectal swabs were performed, and serum samples were also taken from all the animals. Analysis is being carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out under the aegis of the coronavirus unit of the MINCyT-AGENCIA-CONICET. This project performs diagnosis of companion animals living with people affected by COVID-19.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
dogs (domestic)	NEW	-	-	-	-	-	-
	TOTAL	5	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_95014 - SARS-COV2.PCIA.CBA. - CIUDAD DE CORDOBA

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-CoV2.Pcia.Cba.	2021/06/09	2023/05/04	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Córdoba	Santa María	-	Zoo

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Ciudad de Cordoba	-31.39 , -64.33 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

White tiger, male, adult (ten years old approx.) living in the biodiversity park (rescue/zoological center) in the city of Cordoba. The animal presented cough as the only clinical symptom. The animal was in contact with a person with confirmed COVID-19. No contact with an animal confined due to COVID-19. A nasopharyngeal swab and a rectal swab were taken, as well as a blood sample to obtain a serum sample. The sample is sent to the laboratory of the University of Santiago del Estro for analysis. This university is one of the institutions where research is carried out in the framework of projects financed by the national agency for the promotion of research, technological development and innovation carried out under the aegis of the coronavirus unit of the MINCyT-AGENCIA-CONICET. This project performs diagnosis of companion animals living with people affected by COVID-19.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
tiger (wild) captive	NEW	-	-	-	-	-	-
	TOTAL	1	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_94971 - SARS-COV2.PCIA.BS.AS - LA PLATA, BUENOS AIRES

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-Cov2.Pcia.Bs.As	2021/03/29	2023/05/04	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Buenos Aires	La Plata	-	Other
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
La Plata, Buenos aires	-34.92014 , -57.9554 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

None of the positive cases live with other animals. Oro-pharyngeal and rectal swabs were performed. Analysis is being carried out within the framework of research developed by projects financed by the national agency for the promotion of research, technological development and innovation carried out under the aegis of the coronavirus unit of the MINCyT-AGENCIA-CONICET. This project performs diagnosis of companion animals living with people affected by COVID-19.

Species (latin name)	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
dogs (domestic)	NEW	-	-	-	-	-	-
	TOTAL	2	2	0	0	0	0
cats (domestic)	NEW	-	-	-	-	-	-
	TOTAL	1	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-