Switzerland - SARS-CoV-2 in animals (Inf. with) - Follow-up report 16 [FINAL]

GENERAL INFORMATION

COUNTRY/TERRITORY OR ZONE	ANIMAL TYPE	DISEASE CATEGORY	EVENT ID
COUNTRY/TERRITORY	TERRESTRIAL	Emerging	5164
DISEASE	**CAUSAL AGENT**	**GENOTYPE / SEROTYPE / SUBTYPE**	**START DATE**
SARS-CoV-2 in animals (Inf. with)	SARS-CoV-2	-	2020/01/04
REASON FOR NOTIFICATION	**DATE OF LAST OCCURRENCE**	**CONFIRMATION DATE**	**EVENT STATUS**
Emerging disease	-	2022/12/13	Resolved
END DATE	**SELF-DECLARATION**		
2023/06/15	NO		

REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Follow-up report 16	FUR_167970	-	2024/08/09
REPORT STATUS	**NO EVOLUTION REPORT**		
Validated	-		

EPIDEMIOLOGY

SOURCE OF EVENT OR ORIGIN OF INFECTION

- Unknown or inconclusive

EPIDEMIOLOGICAL COMMENTS

For the time being, COVID-19 continues to be treated as a human disease with the main route of transmission between humans (zoonotic potential under investigation). These cases were detected in the frame of a research project screening antibodies against SARS-CoV-2 in cattle and horses from Switzerland. The project is in the responsibility of the Clinical Laboratory of the Vetsuisse Faculty (VSF) of the University of Zurich (UZH). The sample material was residual material submitted to the diagnostic laboratory for routine diagnostic purposes. No information was available concerning a potential contact of the animals to COVID-19 affected owners or animal caretakers.

QUANTITATIVE DATA SUMMARY

MEASURING UNIT

Animal

Species		Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
cattle (domestic)	NEW	-	-	-	-	-	-
	TOTAL	4	4	0	0	0	0

equidae (domestic)	NEW	2	2	0	0	0	0
	TOTAL	2	2	0	0	0	0
all species	NEW	2	2	0	0	0	0
	TOTAL	6	6	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
Enzyme-linked immunosorbent assay for the detection of immunoglobulin G (IgG ELISA)	Clinical Laboratory, Vetsuisse Faculty, University of Zurich	Cattle	4	2022/12/13	2022/12/13	Positive
Indirect immunofluorescence test for antibody detection (Ab IFA)	Friedrich-Loeffler Institute	Cattle	4	2022/12/13	2022/12/13	Positive
Virus neutralisation tests (Ab VNT)	Clinical Laboratory, Vetsuisse Faculty, University of Zurich	Cattle	4	2022/12/13	2022/12/13	Positive

CONTROL MEASURES

CONTROL MEASURES AT EVENT LEVEL	DOMESTIC ANIMALS	WILD ANIMALS

NEW OUTBREAKS

OB_138179 - SARS-COV-2_HORSE_2 - RIEHEN

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-COV-2_Horse_2	2022/08/15	2023/06/15	-

FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Basel-Stadt	Riehen	Riehen	Not applicable

LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Riehen	47.5778 , 7.6527 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

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Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
equidae (domestic)	NEW	1	1	0	0	0	0
	TOTAL	1	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-

OB_135767 - SARS-COV2_HORSE_1 - HITTNAU

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-COV2_Horse_1	2022/05/09	2023/06/15	-
FIRST ADMINISTRATIVE DIVISION	**SECOND ADMINISTRATIVE DIVISION**	**THIRD ADMINISTRATIVE DIVISION**	**EPIDEMIOLOGICAL UNIT**
Zürich	Pfäffikon	Hittnau	Not applicable
LOCATION	**Latitude, Longitude**	**OUTBREAKS IN CLUSTER**	**Measuring unit**
Hittnau	47.3678 , 8.8233 (Approximate location)	-	Animal

AFFECTED POPULATION DESCRIPTION

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Species	Wildlife type	Susceptible	Cases	Deaths	Killed and Disposed of	Slaughtered/ Killed for commercial use	Vaccinated
equidae (domestic)	NEW	1	1	0	0	0	0
	TOTAL	1	1	0	0	0	0

METHOD OF DIAGNOSTIC

Diagnostic test

CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
-	-