

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

### 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	On-going
END DATE	SELF-DECLARATION		
-	NO		

### REPORT INFORMATION

REPORT NUMBER	REPORT ID	REPORT REFERENCE	REPORT DATE
Immediate notification	IN_162223	SARS COV 2 Animals Research	2024/02/14
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 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	NEW	4	4	0	0	0	0
(domestic)	TOTAL	4	4	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\_123499 - SARS-COV2\_2022\_CATTLE\_4 - SWITZERLAND

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-COV2_2022_Cattle_4	2021/12/06	2022/12/13	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Bern	Bern	Zollikofen	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Switzerland	46.9966 , 7.4582 (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
cattle	NEW	1	1	0	0	0	0
(domestic)	TOTAL	1	1	0	0	0	0

### METHOD OF DIAGNOSTIC

Diagnostic test

### CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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## OB\_123496 - SARS-COV2\_2022\_CATTLE\_3 - UNKNOWN, SWITZERLAND

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-COV2_2022_Cattle_3	2021/06/08	2022/12/13	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Obwalden	Obwalden	Engelberg	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
unknown, Switzerland	46.8 , 8.4 (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
cattle	NEW	1	1	0	0	0	0
(domestic)	TOTAL	1	1	0	0	0	0

## METHOD OF DIAGNOSTIC

Diagnostic test

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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## OB\_123371 - SARS-COV2\_2022\_CATTLE\_1 - SWITZERLAND

OUTBREAK REFERENCE	START DATE	END DATE	DETAILED CHARACTERISATION
SARS-COV2_2022_Cattle_1	2020/01/04	2022/12/13	-
FIRST ADMINISTRATIVE DIVISION	SECOND ADMINISTRATIVE DIVISION	THIRD ADMINISTRATIVE DIVISION	EPIDEMIOLOGICAL UNIT
Thurgau	Frauenfeld	Frauenfeld	Not applicable
LOCATION	Latitude, Longitude	OUTBREAKS IN CLUSTER	Measuring unit
Switzerland	47.55 , 8.89 (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
cattle	NEW	1	1	0	0	0	0
(domestic)	TOTAL	1	1	0	0	0	0

## METHOD OF DIAGNOSTIC

Diagnostic test

## CONTROL MEASURES DIFFERENT FROM EVENT LEVEL

MEASURES NOT IMPLEMENTED

ADDITIONAL MEASURES

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<b>OUTBREAK REFERENCE</b>	<b>START DATE</b>	<b>END DATE</b>	<b>DETAILED CHARACTERISATION</b>
SARS-COV2_2022_Cattle_2	2020/04/07	2022/12/13	-

<b>FIRST ADMINISTRATIVE DIVISION</b>	<b>SECOND ADMINISTRATIVE DIVISION</b>	<b>THIRD ADMINISTRATIVE DIVISION</b>	<b>EPIDEMIOLOGICAL UNIT</b>
Glarus	Glarus	Rüti	Not applicable

<b>LOCATION</b>	<b>Latitude, Longitude</b>	<b>OUTBREAKS IN CLUSTER</b>	<b>Measuring unit</b>
Switzerland	46.9369 , 9.0172 (Approximate location)	-	Animal

**AFFECTED POPULATION DESCRIPTION**

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

**METHOD OF DIAGNOSTIC**

Diagnostic test

**CONTROL MEASURES DIFFERENT FROM EVENT LEVEL**

MEASURES NOT IMPLEMENTED	ADDITIONAL MEASURES
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