



## **FMD Detection and Serotyping Results**

**Lab Reference Batch Number:** WRLFMD/2023/000040

**Date Received:** 25/05/2023

**Country of Origin\*:** Bahrain

**Sender\*:**



**Number Tested:** 10

Diagnostic work has now been completed in respect of the samples you submitted and the details are as attached.

### **Notes:**

Please note that we were unable to determine the serotype of samples BAR 4/2022, BAR 5/2022, BAR 6/2022 and BAR 7/2022 using our ISO/IEC 17025 accredited antigen-ELISAs. The serotype of each of these samples was determined using our integrin mAb ELISA. Although extensive validation has been carried out with this assay, it is not yet part of our portfolio of ISO/IEC 17025 accredited tests.

In addition to this, these samples were tested using the real-time RT-PCR designed to detect SAT2 topotype XIV viruses which is described on our website (Lineage specific FMDV Real-time RT-PCR assays | Reference Laboratory for Foot-and-Mouth Disease). Samples BAR 1/2022, BAR 2/2022, BAR 3/2022, BAR 4/2022, BAR 5/2022, BAR 6/2022 and BAR 7/2022 generated Ct values consistent with the presence of FMDV SAT 2 lineage XIV nucleic acid. Sample BAR 8/2022 generated borderline Ct values, but with convincing amplification. Samples BAR 41/2021 and BAR 1/2023 were negative for the presence of this lineage.

The results relate only to the samples tested and as received. This report shall not be reproduced except in full.

To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratories by email ([reporting@pirbright.ac.uk](mailto:reporting@pirbright.ac.uk)).

**Report Number:** 1661

# FMD Detection and Serotyping Results Report - Final

Lab Reference WRL Batch Number: WRLFMD/2023/000040

Report Date: 26/06/2023

Report Number: 1661



4025

Date Received: 25/05/2023 Country of Origin\*: Bahrain

Date Tests Completed: 23/06/2023

Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
N-00396, SER-041	BAR 41/2021	Collected 29/12/2021 CATTLE EPITHELIUM, VESICULAR TISSUE	NVD	NGD
001, SER-271	BAR 1/2022	Collected 23/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	NVD	FMDV GD
002, SER-271	BAR 2/2022	Collected 23/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	SAT2	FMDV GD
003, SER-271	BAR 3/2022	Collected 23/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	NVD	FMDV GD
N-01000, SER-272	BAR 4/2022	Collected 24/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	SAT2	FMDV GD
N-00173, SER-272	BAR 5/2022	Collected 24/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	SAT2	FMDV GD
N-00496, SER-272	BAR 6/2022	Collected 24/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	SAT2	FMDV GD
N-00177, SER-272	BAR 7/2022	Collected 24/11/2022 CATTLE EPITHELIUM, VESICULAR TISSUE	SAT2	FMDV GD
N-00396, SER-272	BAR 8/2022	Collected 24/11/2022 CATTLE EPITHELIUM, VESICULAR	NVD	NGD

Final results are determined subject to acceptable test validation unless otherwise stated.

SOPs: WRL-SOP-35, WRL-SOP-26 and WRL-SOP-42 (rRT-PCR),  
WRL-SOP-2 (Virus Isolation), WRL-SOP-6 and WRL-SOP-39 (Ag-ELISA)

NVD - No Virus Detected FMDV GD - FMDV Genome Detected SVDV GD- Swine Vesicular Disease Virus Genome Detected  
SVV GD - Seneca Valley Virus Genome Detected (not accredited) VSVNJ GD - Vesicular Stomatitis Virus New Jersey Genome  
Detected (not accredited) VSVIND GD - Vesicular Stomatitis Virus Indiana Genome Detected (not accredited) NGD - No Genome  
Detected \* Data supplied by the customer.

Lab Reference WRL Batch Number: WRLFMD/2023/000040

Report Date: 26/06/2023

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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		TISSUE		
001, SER-020	BAR 1/2023	Collected 09/02/2023 CATTLE EPITHELIUM, TONGUE VESICULAR TISSUE	NVD	FMDV GD

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Report Authorised By:

[REDACTED]

[REDACTED]

Date: 26/06/2023 07:56:23

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Final results are determined subject to acceptable test validation unless otherwise stated.

SOPs: WRL-SOP-35, WRL-SOP-26 and WRL-SOP-42 (rRT-PCR),  
WRL-SOP-2 (Virus Isolation), WRL-SOP-6 and WRL-SOP-39 (Ag-ELISA)

NVD - No Virus Detected FMDV GD - FMDV Genome Detected SVDV GD- Swine Vesicular Disease Virus Genome Detected  
SVV GD - Seneca Valley Virus Genome Detected (not accredited) VSVNJ GD - Vesicular Stomatitis Virus New Jersey Genome  
Detected (not accredited) VSVIND GD - Vesicular Stomatitis Virus Indiana Genome Detected (not accredited) NGD - No Genome  
Detected \* Data supplied by the customer.