

## Test Report

Lab Reference Batch Number: WRLFMD/2024/000005

Date Received: 20/03/2024

Country of Origin\*: Ethiopia

Sender\*:



Number Tested: 112

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

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).

Report Number: 4000

The Pirbright Institute Ash Road, Pirbright, Surrey GU24 0NF UK Tel: +44 (0)1483 232441 Fax: +44 (0)1483 232448 Website: www.pirbright.ac.uk

## **Vesicular Disease Diagnostics Report - Final**

Lab Reference WRL Batch Number:WRLFMD/2024/000005Report Date:29/05/2024Report Number:4000



## 20/03/2024 Ethiopia Date Received: Country of Origin\*: 29/05/2024 **Date Tests Completed:** PCR Result Your Reference\* **Description of Sample\*** Serotyping Result by WRL Reference Cell Culture/ELISA 20575 ETH 7/2022 NVD FMDV GD Collected 17/05/2022 CATTLE EPITHELIUM TISSUE NVD 20578 ETH 8/2022 FMDV GD Collected 17/05/2022 CATTLE **EPITHELIUM** TISSUE 21905 ETH 9/2022 SAT2 FMDV GD Collected 28/05/2022 CATTLE **EPITHELIUM** TISSUE 21906 ETH 10/2022 Collected 28/05/2022 SAT2 FMDV GD CATTLE **EPITHELIUM** TISSUE 20779 ETH 11/2022 SAT2 FMDV GD Collected 31/05/2022 CATTLE SWAB SAT2 FMDV GD 20781 ETH 12/2022 Collected 31/05/2022 CATTLE SWAB FMDV GD 20784 ETH 13/2022 Collected 31/05/2022 SAT2 CATTLE SWAB 20788 ETH 14/2022 NVD NGD Collected 31/05/2022 CATTI F SWAB 20792 ETH 15/2022 Collected 31/05/2022 NVD FMDV GD CATTLE SWAB 20795 ETH 16/2022 SAT2 FMDV GD Collected 31/05/2022 CATTLE SWAB

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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
Report Number:	4000			
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
20799	ETH 17/2022	Collected 31/05/2022 CATTLE SWAB	SAT2	FMDV GD
22750	ETH 18/2022	Collected 23/06/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
22446	ETH 19/2022	Collected 05/07/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
22449	ETH 20/2022	Collected 05/07/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
22749	ETH 21/2022	Collected 05/07/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
22754	ETH 22/2022	Collected 16/07/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
22755	ETH 23/2022	Collected 17/07/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
22756	ETH 24/2022	Collected 17/07/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28194	ETH 25/2022	Collected 05/09/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
27752	ETH 26/2022	Collected 09/09/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
27754	ETH 27/2022	Collected 09/09/2022 CATTLE	SAT2	FMDV GD

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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
Report Number:	4000			
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		EPITHELIUM TISSUE		
28147	ETH 28/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28148	ETH 29/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28149	ETH 30/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28150	ETH 31/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28151	ETH 32/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28152	ETH 33/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28153	ETH 34/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28154	ETH 35/2022	Collected 14/09/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28625	ETH 36/2022	Collected 20/09/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28626	ETH 37/2022	Collected 20/09/2022 CATTLE EPITHELIUM	NVD	FMDV GD

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)

Lab Reference WRL Batch Number:Report Date:29/05/2024Report Number:4000		WRLFMD/2024/000005		
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
28627	ETH 38/2022	TISSUE Collected 20/09/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28628	ETH 39/2022	Collected 20/09/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28314	ETH 40/2022	Collected 05/10/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28317	ETH 41/2022	Collected 05/10/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28310	ETH 42/2022	Collected 05/10/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28311	ETH 43/2022	Collected 05/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28312	ETH 44/2022	Collected 05/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28470	ETH 45/2022	Collected 15/10/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
28473	ETH 46/2022	Collected 15/10/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28489	ETH 47/2022	Collected 22/10/2022 CATTLE PROBANG FLUID	SAT2	FMDV GD

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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005			
Report Date:	29/05/2024				
Report Number:	4000				
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result	
28490	ETH 48/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28491	ETH 49/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28492	ETH 50/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28493	ETH 51/2022	Collected 22/10/2022 CATTLE PROBANG FLUID	SAT2	FMDV GD	
29495	ETH 52/2022	Collected 22/10/2022 CATTLE PROBANG FLUID	NVD	FMDV GD	
28496	ETH 53/2022	Collected 22/10/2022 CATTLE PROBANG FLUID	NVD	NGD	
28497	ETH 54/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD	
28498	ETH 55/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD	
28499	ETH 56/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	FMDV GD	
28500	ETH 57/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28504	ETH 58/2022	Collected 22/10/2022	-	NGD	

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WRL-SOP-2 (Virus Isolation), WRL-SOP-6 and WRL-SOP-39 (Ag-ELISA)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		CATTLE BLOOD FLUID		
28501	ETH 59/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	NGD
28502	ETH 60/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	NGD
28503	ETH 61/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28505	ETH 62/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28507	ETH 63/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28509	ETH 64/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28510	ETH 65/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28512	ETH 66/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28513	ETH 67/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	NGD
28514	ETH 68/2022	Collected 22/10/2022 CATTLE	-	NGD

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WRL-SOP-2 (Virus Isolation), WRL-SOP-6 and WRL-SOP-39 (Ag-ELISA)

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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result	
		BLOOD FLUID			
28522	ETH 69/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	NGD	
28468	ETH 70/2022	Collected 22/10/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD	
28469	ETH 71/2022	Collected 22/10/2022 CATTLE BLOOD FLUID	-	FMDV GD	
28515	ETH 72/2022	Collected 24/10/2022 CATTLE BLOOD FLUID	-	NGD	
28516	ETH 73/2022	Collected 24/10/2022 CATTLE BLOOD FLUID	-	NGD	
28517	ETH 74/2022	Collected 24/10/2022 CATTLE PROBANG FLUID	NVD	NGD	
28518	ETH 75/2022	Collected 24/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28519	ETH 76/2022	Collected 24/10/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD	
28520	ETH 77/2022	Collected 24/10/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
28521	ETH 78/2022	Collected 24/10/2022 CATTLE BLOOD	-	NGD	

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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
Report Number:	4000			
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		FLUID		
21434	ETH 79/2022	Collected 06/11/2022 CATTLE SWAB	NVD	NGD
21435	ETH 80/2022	Collected 06/11/2022 CATTLE SWAB	NVD	NGD
21436	ETH 81/2022	Collected 06/11/2022 CATTLE SWAB	NVD	NGD
14333	ETH 82/2022	Collected 06/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
14337	ETH 83/2022	Collected 06/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
14341	ETH 84/2022	Collected 06/11/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28900	ETH 85/2022	Collected 14/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28901	ETH 86/2022	Collected 14/11/2022 CATTLE BLOOD FLUID	-	FMDV GD
28902	ETH 87/2022	Collected 14/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28903	ETH 88/2022	Collected 14/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
28904	ETH 89/2022	Collected 14/11/2022 CATTLE	NVD	NGD

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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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
Report Number:	4000			
Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		EPITHELIUM TISSUE		
28905	ETH 90/2022	Collected 14/11/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
28906	ETH 91/2022	Collected 14/11/2022 CATTLE BLOOD FLUID	-	NGD
28907	ETH 92/2022	Collected 14/11/2022 CATTLE BLOOD FLUID	-	FMDV GD
4	ETH 93/2022	Collected 30/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
5	ETH 94/2022	Collected 30/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
7	ETH 95/2022	Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD
10	ETH 96/2022	Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD
13	ETH 97/2022	Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD
14	ETH 98/2022	Collected 30/11/2022 CATTLE EPITHELIUM TISSUE	NVD	NGD
16	ETH 99/2022	Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD
20	ETH 100/2022	Collected 30/11/2022 CATTLE	NVD	FMDV GD

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)

Report Date: 29/05/20   Report Number: 4000				
Report Number: 4000				
Your Reference* WRL Refe	rence Description of Sample*		ing Result by PCR Result Iture/ELISA	
	EPITHELIUM TISSUE			
22 ETH 101/	2022 Collected 30/11/2022 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD	
23 ETH 102/	2022 Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD	
24 ETH 103/	2022 Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD	
30 ETH 104/	2022 Collected 30/11/2022 CATTLE SWAB	NVD	FMDV GD	
31343 ETH 105/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31344 ETH 106/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31345 ETH 107/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31346 ETH 108/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31347 ETH 109/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31348 ETH 110/	2022 Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD	
31349 ETH 111/2	2022 Collected 08/12/2022	SAT2	FMDV GD	

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)

Lab Reference WRL Batch Number:		WRLFMD/2024/000005		
Report Date:	29/05/2024			
eport Number:	4000			
our Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		CATTLE EPITHELIUM TISSUE		
31350	ETH 112/2022	Collected 08/12/2022 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
2978	ETH 1/2023	Collected 01/01/2023 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
2979	ETH 2/2023	Collected 01/01/2023 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
2980	ETH 3/2023	Collected 01/01/2023 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
2981	ETH 4/2023	Collected 01/01/2023 CATTLE EPITHELIUM TISSUE	SAT2	FMDV GD
1631	ETH 5/2023	Collected 22/11/2023 CATTLE EPITHELIUM TISSUE	NVD	FMDV GD
1632	ETH 6/2023	Collected 22/11/2023 CATTLE EPITHELIUM TISSUE	NVD	NGD

Date:

29/05/2024 11:42:11

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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)