



## **FMD Detection and Serotyping Results**

**Lab Reference Batch Number:** WRLFMD/2023/000039

**Date Received:** 28/04/2023

**Country of Origin\*:** Nepal

**Sender\*:**



**Number Tested:** 80

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](mailto:reporting@pirbright.ac.uk)).

**Report Number:** 1551

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# FMD Detection and Serotyping Results Report - Final

Lab Reference WRL Batch Number: WRLFMD/2023/000039

Report Date: 26/05/2023

Report Number: 1551

Date Received: 28/04/2023 Country of Origin\*: Nepal

Date Tests Completed: 26/05/2023

Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
1 Np FMD	NEP 57/2021	Collected 10/08/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
2 Np FMD	NEP 58/2021	Collected 19/08/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
3 Np FMD	NEP 59/2021	Collected 19/08/2021 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
4 Np FMD	NEP 60/2021	Collected 06/09/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
5 Np FMD	NEP 61/2021	Collected 06/09/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
6 Np FMD	NEP 62/2021	Collected 06/09/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
7 Np FMD	NEP 63/2021	Collected 06/09/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
8 Np FMD	NEP 64/2021	Collected 13/09/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
9 Np FMD	NEP 65/2021	Collected 13/09/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	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)

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.

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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		FLUID		
10 Np FMD	NEP 66/2021	Collected 05/10/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
11 Np FMD	NEP 67/2021	Collected 05/10/2021 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
12 Np FMD	NEP 68/2021	Collected 05/10/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
13 Np FMD	NEP 69/2021	Collected 28/10/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
14 Np FMD	NEP 70/2021	Collected 29/10/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
15 Np FMD	NEP 71/2021	Collected 29/10/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
16 Np FMD	NEP 72/2021	Collected 01/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
17 Np FMD	NEP 73/2021	Collected 01/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
18 Np FMD	NEP 74/2021	Collected 14/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
21 Np FMD	NEP 75/2021	Collected 16/11/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	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)

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.

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22 Np FMD	NEP 76/2021	Collected 16/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
19 Np FMD	NEP 77/2021	Collected 17/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
20 Np FMD	NEP 78/2021	Collected 17/11/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
23 Np FMD	NEP 79/2021	Collected 24/11/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
24 Np FMD	NEP 80/2021	Collected 27/11/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
25 Np FMD	NEP 81/2021	Collected 03/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
26 Np FMD	NEP 82/2021	Collected 03/12/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
27 Np FMD	NEP 83/2021	Collected 04/12/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
28 Np FMD	NEP 84/2021	Collected 05/12/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
29 Np FMD	NEP 85/2021	Collected 05/12/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
30 Np FMD	NEP 86/2021	Collected 05/12/2021	O	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)

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.

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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
		SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID		
31 Np FMD	NEP 87/2021	Collected 05/12/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
32 Np FMD	NEP 88/2021	Collected 05/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
33 Np FMD	NEP 89/2021	Collected 07/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
34 Np FMD	NEP 90/2021	Collected 15/12/2021 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
36 Np FMD	NEP 91/2021	Collected 15/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
35 Np FMD	NEP 92/2021	Collected 17/12/2021 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
37 Np FMD	NEP 93/2021	Collected 20/12/2021 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
38 Np FMD	NEP 94/2021	Collected 20/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
39 Np FMD	NEP 95/2021	Collected 21/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
40 Np FMD	NEP 96/2021	Collected 21/12/2021 SWINE	NVD	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)  
 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  
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		ORIGINAL SUSPENSION, EPITHELIUM FLUID		
41 Np FMD	NEP 97/2021	Collected 21/12/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
42 Np FMD	NEP 98/2021	Collected 21/12/2021 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
43 Np FMD	NEP 99/2021	Collected 24/12/2021 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
44 Np FMD	NEP 1/2022	Collected 02/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
45 Np FMD	NEP 2/2022	Collected 03/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
46 Np FMD	NEP 3/2022	Collected 03/01/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
47 Np FMD	NEP 4/2022	Collected 03/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
48 Np FMD	NEP 5/2022	Collected 03/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
49 Np FMD	NEP 6/2022	Collected 06/01/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
50 Np FMD	NEP 7/2022	Collected 06/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	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)

NVD - No Virus Detected FMDV GD - FMDV Genome Detected SVDV GD- Swine Vesicular Disease Virus Genome Detected  
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		FLUID		
51 Np FMD	NEP 8/2022	Collected 06/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
52 Np FMD	NEP 9/2022	Collected 10/01/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
56 Np FMD	NEP 10/2022	Collected 19/01/2022 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
53 Np FMD	NEP 11/2022	Collected 20/01/2022 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
54 Np FMD	NEP 12/2022	Collected 23/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
55 Np FMD	NEP 13/2022	Collected 23/01/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
57 Np FMD	NEP 14/2022	Collected 04/02/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
58 Np FMD	NEP 15/2022	Collected 07/02/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
59 Np FMD	NEP 16/2022	Collected 08/02/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
60 Np FMD	NEP 17/2022	Collected 08/02/2022 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	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)  
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 Detected (not accredited) VSVIND GD - Vesicular Stomatitis Virus Indiana Genome Detected (not accredited) NGD - No Genome  
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Report Date: 26/05/2023

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Your Reference*	WRL Reference	Description of Sample*	Serotyping Result by Cell Culture/ELISA	PCR Result
61 Np FMD	NEP 18/2022	Collected 11/02/2022 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
62 Np FMD	NEP 19/2022	Collected 11/02/2022 OX ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
63 Np FMD	NEP 20/2022	Collected 11/02/2022 GOAT ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
64 Np FMD	NEP 21/2022	Collected 13/02/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
65 Np FMD	NEP 22/2022	Collected 21/02/2022 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
66 Np FMD	NEP 23/2022	Collected 21/02/2022 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
67 Np FMD	NEP 24/2022	Collected 21/02/2022 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
68 Np FMD	NEP 25/2022	Collected 10/03/2022 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
70 Np FMD	NEP 26/2022	Collected 11/03/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
69 Np FMD	NEP 27/2022	Collected 13/03/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
71 Np FMD	NEP 28/2022	Collected 16/03/2022	NVD	NGD

SOPs: WRL-SOP-35, WRL-SOP-26 and WRL-SOP-42 (rRT-PCR),  
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		SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID		
72 Np FMD	NEP 29/2022	Collected 20/03/2022 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
73 Np FMD	NEP 30/2022	Collected 20/03/2022 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
74 Np FMD	NEP 31/2022	Collected 24/04/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
75 Np FMD	NEP 32/2022	Collected 26/04/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
76 Np FMD	NEP 33/2022	Collected 26/04/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	NGD
77 Np FMD	NEP 34/2022	Collected 19/05/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
78 Np FMD	NEP 35/2022	Collected 19/05/2022 COW ORIGINAL SUSPENSION, EPITHELIUM FLUID	NVD	FMDV GD
79 Np FMD	NEP 36/2022	Collected 09/06/2022 SWINE ORIGINAL SUSPENSION, EPITHELIUM FLUID	O	FMDV GD
80 Np FMD	NEP 37/2022	Collected 27/06/2022 BUFFALO ORIGINAL SUSPENSION, EPITHELIUM FLUID	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)  
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Report Authorised By: [REDACTED]

Date: 26/05/2023 11:59:10

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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)  
NVD - No Virus Detected FMDV GD - FMDV Genome Detected SVDV GD- Swine Vesicular Disease Virus Genome Detected  
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