



# Institute for Animal Health

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To:

Email:

CC:

Email:

From:

Date: 22<sup>nd</sup> April 2009

Subject: Serotyping Report

No. Of Pages: 7

## Email

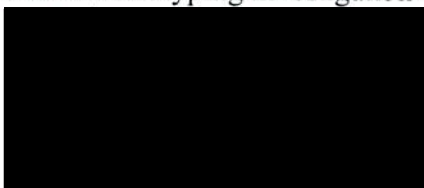
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Thank you.

Dear 

Thank you for submitting 74 samples from Yemen as received at the World Reference Laboratory (WRL) Pirbright, on 16<sup>th</sup> of March 2009.

We have now completed the serotyping investigation with the results as attached.

Yours sincerely 

  
**Head: World Reference Laboratory for FMD**

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The Institute is sponsored by the Biotechnology and Biological Sciences Research Council. An Associated Institute of the University of Reading.

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## FMD DETECTION AND SEROTYPING RESULTS

BATCH NUMBER - WRLFMD/2009/00015 DATE RECEIVED AT SITE - 16/03/2009 FROM YEMEN,  
REPUBLIC OF  
SENDER DETAILS

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture /ELISA
7 C.59/1	YEM 1/2007	CATTLE, swab, Collected 11/05/2007	NEG	NVD
8 C.59/2	YEM 2/2007	CATTLE, swab, Collected 11/05/2007	NEG	NVD
9 C.59/3	YEM 3/2007	CATTLE, swab, Collected 11/05/2007	NEG	NVD
10 C.59/4	YEM 4/2007	CATTLE, swab, Collected 11/05/2007	NEG	NVD
11 C.59/5	YEM 5/2007	CATTLE, swab, Collected 11/05/2007	NEG	NVD
29 C.677/8	YEM 1/2008	CATTLE, swab, Collected 17/07/2008	NEG	NVD
30 C.677/9	YEM 2/2008	CATTLE, epithelium, Collected 17/07/2008	NEG	NVD
12 C.701/5	YEM 3/2008	CATTLE, swab, Collected 28/07/2008	POS	NVD
13 C.701/6	YEM 4/2008	CATTLE, swab, Collected 28/07/2008	POS	O
14 C.701/7	YEM 5/2008	CATTLE, swab + epithelium, Collected 28/07/2008	POS	O

WRL Batch WRLFMD/2009/00015

IAH Batch IAHB/2009/00461

NVD - No Virus Detected POS - FMDV Genome Detected NEG - No FMDV Genome Detected FMDVGD - FMDV Genome Detected

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<b>Your Reference</b>	<b>WRL Reference</b>	<b>Description of Sample</b>	<b>PCR Result</b>	<b>Serotyping Result by Cell Culture /ELISA</b>
15 C.701/8	YEM 6/2008	CATTLE, swab + epithelium, Collected 28/07/2008	<b>POS</b>	O
16 C.701/9	YEM 7/2008	CATTLE, swab, Collected 28/07/2008	<b>POS</b>	O
17 C.709/1	YEM 8/2008	CATTLE, swab, Collected 30/07/2008	<b>POS</b>	O
18 C.709/2	YEM 9/2008	CATTLE, swab, Collected 30/07/2008	<b>POS</b>	NVD
19 C.1446/1	YEM 10/2008	CATTLE, epithelium, Collected 18/12/2008	<b>POS</b>	O
20 C.1447/1	YEM 11/2008	CATTLE, epithelium, Collected 18/12/2008	<b>POS</b>	NVD
26 C.1490/2	YEM 12/2008	CATTLE, swab, Collected 18/12/2008	<b>POS</b>	NVD
27 C.1491/2	YEM 13/2008	CATTLE, swab, Collected 19/12/2008	<b>POS</b>	NVD
50 S.189/1	YEM 1/2009	SHEEP, epithelium, Collected 03/01/2009	NEG	NVD
51 S.189/2	YEM 2/2009	SHEEP, epithelium, Collected 03/01/2009	NEG	NVD
53 C.191/1	YEM 3/2009	CATTLE, swab, Collected 03/01/2009	NEG	NVD
31 S.22/1	YEM 4/2009	SHEEP, swab, Collected 11/01/2009	NEG	NVD
32 S.134/1	YEM 5/2009	SHEEP, swab, Collected 12/01/2009	<b>POS</b>	O

**WRL Batch WRLFMD/2009/00015**

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33 S.134/6	YEM 6/2009	SHEEP, swab, Collected 12/01/2009	<b>POS</b>	O
34 S.134/7	YEM 7/2009	SHEEP, swab, Collected 12/01/2009	<b>POS</b>	O
35 S.134/8	YEM 8/2009	SHEEP, swab, Collected 12/01/2009	<b>POS</b>	O
60 C.331/1	YEM 9/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	O
61 C.331/2	YEM 10/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	NVD
62 C.331/3	YEM 11/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	O
63 C.331/4	YEM 12/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	O
64 C.331/8	YEM 13/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	NVD
65 C.331/11	YEM 14/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	NVD
66 C.331/13	YEM 15/2009	CATTLE, epithelium, Collected 12/01/2009	<b>POS</b>	NVD
36 S.135/1	YEM 16/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
37 S.135/2	YEM 17/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
38 S.135/5	YEM 18/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O

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39 S.135/6	YEM 19/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
40 S135/7	YEM 20/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
41 S.135/8	YEM 21/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
42 S.135/13	YEM 22/2009	SHEEP, swab, Collected 13/01/2009	<b>POS</b>	O
44 C.163/1	YEM 23/2009	CATTLE, epithelium, Collected 13/01/2009	<b>POS</b>	O
45 C.163/2	YEM 24/2009	CATTLE, epithelium, Collected 13/01/2009	<b>POS</b>	O
54 C.192/1	YEM 25/2009	CATTLE, swab + epithelium, Collected 13/01/2009	NEG	NVD
43 C.138/1	YEM 26/2009	CATTLE, epithelium, Collected 14/01/2009	<b>POS</b>	NVD
52 C.190/1	YEM 27/2009	CATTLE, swab, Collected 14/01/2009	NEG	NVD
75 C.349/1	YEM 28/2009	CATTLE, swab, Collected 14/01/2009	NEG	NVD
46 C.178/1	YEM 29/2009	CATTLE, epithelium, Collected 19/01/2009	<b>POS</b>	O
47 C.179/1	YEM 30/2009	CATTLE, epithelium, Collected 20/01/2009	<b>POS</b>	O
55 C.193/1	YEM 31/2009	CATTLE, epithelium, Collected 20/01/2009	<b>POS</b>	NVD

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56 C.194/1	YEM 32/2009	CATTLE, swab, Collected 20/01/2009	<b>POS</b>	NVD
57 C.194/2	YEM 33/2009	CATTLE, epithelium, Collected 20/01/2009	<b>POS</b>	O
48 C.186/1	YEM 34/2009	CATTLE, epithelium, Collected 24/01/2009	<b>POS</b>	O
49 C.186/2	YEM 35/2009	CATTLE, epithelium, Collected 24/01/2009	<b>POS</b>	O
58 C.306/1	YEM 36/2009	CATTLE, swab, Collected 28/01/2009	<b>POS</b>	O
59 C. 306/2	YEM 37/2009	CATTLE, swab, Collected 28/01/2009	<b>POS</b>	O
71 C.347/1	YEM 38/2009	CATTLE, swab, Collected 28/01/2009	<b>POS</b>	NVD
72 C.347/2	YEM 39/2009	CATTLE, swab, Collected 28/01/2009	<b>POS</b>	NVD
89 G.438/1	YEM 40/2009	GOAT, swab, Collected 01/02/2009	NEG	NVD
73 C.348/4	YEM 41/2009	CATTLE, swab, Collected 02/02/2009	<b>POS</b>	O
74 C.348/5	YEM 42/2009	CATTLE, epithelium, Collected 02/02/2009	<b>POS</b>	O
67 C.339/1	YEM 43/2009	CATTLE, swab + epithelium, Collected 03/02/2009	<b>POS</b>	O
68 C.339/2	YEM 44/2009	CATTLE, swab, Collected 03/02/2009	NEG	O

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69 C.339/3	YEM 45/2009	CATTLE, swab + epithelium, Collected 03/02/2009	<b>POS</b>	O
70 C.339/4	YEM 46/2009	CATTLE, swab + epithelium, Collected 03/02/2009	<b>POS</b>	O
86 C.435/1	YEM 47/2009	CATTLE, swab, Collected 04/02/2009	NEG	NVD
76 C.401/13	YEM 48/2009	CATTLE, swab, Collected 16/02/2009	NEG	NVD
77 C.401/14	YEM 49/2009	CATTLE, swab, Collected 16/02/2009	NEG	NVD
88 G.437/1	YEM 50/2009	GOAT, epithelium, Collected 18/02/2009	<b>POS</b>	O
81 C.419/4	YEM 51/2009	CATTLE, swab, Collected 25/02/2009	NEG	NVD
82 C.419/5	YEM 52/2009	CATTLE, swab, Collected 25/02/2009	NEG	NVD
85 C.426/1	YEM 53/2009	CATTLE, epithelium, Collected 25/02/2009	<b>POS</b>	O
87 C.436/1	YEM 54/2009	CATTLE, swab, Collected 25/02/2009	NEG	NVD
83 C.425/1	YEM 55/2009	CATTLE, epithelium, Collected 26/02/2009	<b>POS</b>	NVD
84 C.425/2	YEM 56/2009	CATTLE, epithelium, Collected 26/02/2009	<b>POS</b>	O

To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratory by fax (+44 (0)1483 232621 or email ([elizabeth.byrom@bbsrc.ac.uk](mailto:elizabeth.byrom@bbsrc.ac.uk)))

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