



# Institute for Animal Health

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# FAX

To:

Email:

CC:

Fax:

From:

Date: 2<sup>nd</sup> April 2009

Subject: Serotyping Report

No. Of Pages: 4

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Thank you.

Dear [REDACTED]

Thank you for submitting 117 samples from Libya as received at the World Reference Laboratory (WRL) Pirbright, on 12<sup>th</sup> of March 2009.

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

Yours sincerely

[REDACTED]  
[REDACTED]  
**Head: World Reference Laboratory for FMD**

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# FMD DETECTION AND SEROTYPING RESULTS

BATCH NUMBER - WRLFMD/2009/00011 DATE RECEIVED AT SITE - 12/03/2009 FROM LIBYA

SENDER DETAILS



Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture /ELISA
D F18	LIB 1/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F19	LIB 2/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F20	LIB 3/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F21	LIB 4/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F22	LIB 5/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F23	LIB 6/2009	CATTLE, SERUM Collected 20/02/2009	NEG	A
D F24	LIB 7/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F25	LIB 8/2009	CATTLE, SERUM Collected 20/02/2009	NEG	A
D F26	LIB 9/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F27	LIB 10/2009	CATTLE, SERUM Collected 20/02/2009	POS	A

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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>
D F28	LIB 11/2009	CATTLE, SERUM Collected 20/02/2009	NEG	A
D F29	LIB 12/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F30	LIB 13/2009	CATTLE, SERUM Collected 20/02/2009	POS	A
D F106	LIB 14/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F107	LIB 15/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F108	LIB 16/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F109	LIB 17/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F110	LIB 18/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F111	LIB 19/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F113	LIB 20/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
D F114	LIB 21/2009	CATTLE, EPITHELIUM Collected 20/02/2009	POS	A
A F1	LIB 22/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F2	LIB 23/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD

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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>
A F3	LIB 24/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F4	LIB 25/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F5	LIB 26/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F6	LIB 27/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F7	LIB 28/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F8	LIB 29/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F9	LIB 30/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
A F10	LIB 31/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
B F11	LIB 32/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
B F12	LIB 33/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
B F13	LIB 34/2009	BUFFALO, SERUM Collected 23/02/2009	NEG	NVD
B F112	LIB 35/2009	BUFFALO, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F14	LIB 36/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	NVD

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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>
C F15	LIB 37/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F16	LIB 38/2009	SHEEP, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F17	LIB 39/2009	SHEEP, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F63	LIB 40/2009	CATTLE, EPITHELIUM Collected 23/02/2009	<b>POS</b>	NVD
C F64	LIB 41/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F65	LIB 42/2009	CATTLE, EPITHELIUM Collected 23/02/2009	<b>POS</b>	A
C F66	LIB 43/2009	CATTLE, EPITHELIUM Collected 23/02/2009	<b>POS</b>	A
C F67	LIB 44/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	A
C F68	LIB 45/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F69	LIB 46/2009	CATTLE, EPITHELIUM Collected 23/02/2009	NEG	NVD
C F70	LIB 47/2009	CATTLE, EPITHELIUM Collected 23/02/2009	<b>POS</b>	A
C F71	LIB 48/2009	CATTLE, EPITHELIUM Collected 23/02/2009	<b>POS</b>	A
C F97	LIB 49/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	NVD

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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>
C F98	LIB 50/2009	CATTLE, SWAB Collected 23/02/2009		A
C F99	LIB 51/2009	CATTLE, SWAB Collected 23/02/2009		A
C F100	LIB 52/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	NVD
C F101	LIB 53/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	NVD
C F102	LIB 54/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	A
C F103	LIB 55/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	A
C F104	LIB 56/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	A
C F105	LIB 57/2009	CATTLE, SWAB Collected 23/02/2009	<b>POS</b>	A
E F43	LIB 58/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F44	LIB 59/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F45	LIB 60/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F46	LIB 61/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F47	LIB 62/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD

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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>
E F48	LIB 63/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F49	LIB 64/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F50	LIB 65/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F51	LIB 66/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F52	LIB 67/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F53	LIB 68/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F54	LIB 69/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F55	LIB 70/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F56	LIB 71/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F57	LIB 72/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F58	LIB 73/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F59	LIB 74/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F60	LIB 75/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD

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Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture /ELISA
E F61	LIB 76/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F62	LIB 77/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
E F31	LIB 78/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
E F32	LIB 79/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
E F33	LIB 80/2009	CATTLE, BLOOD Collected 01/01/2009	<b>POS</b>	NVD
E F34	LIB 81/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
E F35	LIB 82/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
F F38	LIB 83/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
F F39	LIB 84/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
F F40	LIB 85/2009	CATTLE, SERUM Collected 01/01/2009	<b>POS</b>	NVD
F F41	LIB 86/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
F F42	LIB 87/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
F R42	LIB 88/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD

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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>
F F36	LIB 89/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
F F37	LIB 90/2009	CATTLE, BLOOD Collected 01/01/2009	NEG	NVD
F F93	LIB 91/2009	CATTLE, SWAB Collected 01/01/2009	NEG	A
F F94	LIB 92/2009	CATTLE, SWAB Collected 01/01/2009	NEG	A
F F95	LIB 93/2009	CATTLE, SWAB Collected 01/01/2009	NEG	A
F F96	LIB 94/2009	CATTLE, EPITHELIUM Collected 01/01/2009	<b>POS</b>	A
G F72	LIB 95/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F73	LIB 96/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F74	LIB 97/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F75	LIB 98/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F76	LIB 99/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F77	LIB 100/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F78	LIB 101/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD

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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>
G F79	LIB 102/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F80	LIB 103/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F81	LIB 104/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F82	LIB 105/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F83	LIB 106/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F84	LIB 107/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F85	LIB 108/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F86	LIB 109/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F87	LIB 110/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F88	LIB 111/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F89	LIB 112/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F90	LIB 113/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
G F91	LIB 114/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD

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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>
G F92	LIB 115/2009	CATTLE, SERUM Collected 01/01/2009	NEG	NVD
H F115	LIB 116/2009	CATTLE, SERUM Collected 06/03/2009	NEG	NVD
H F116	LIB 117/2009	CATTLE, EPITHELIUM Collected 06/03/2009	<b>POS</b>	A

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 ([chris.chisholm@bbsrc.ac.uk](mailto:chris.chisholm@bbsrc.ac.uk)))