

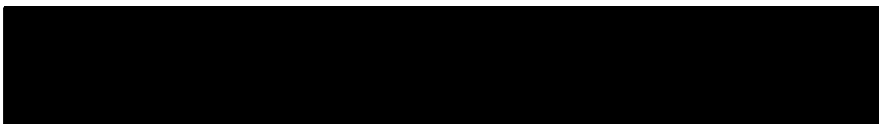


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FMD Detection And Serotyping Results

Lab Reference WRL batch Number: WRLFMD/2012/00005

Sender Details:



Date Received: 31/01/2012

Country of Origin: LIBYA

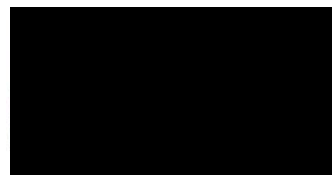
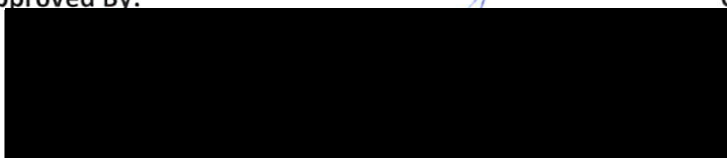
Dear Dr Milad E Farhat,

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

Results Approved By:

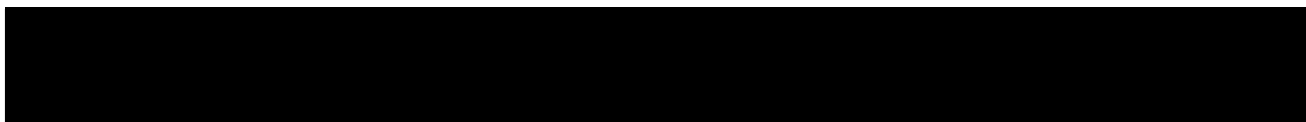
1

Official Stamp



Date:

13 / 2 / 12



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 (gareth.shimmon@iah.ac.uk). IAH actively seeks and appreciates feedback, if you would like to offer feedback please complete the WRLFMD survey: <http://www.surveymonkey.com/s/WRLFMD>

FMD Detection And Serotyping Results Report

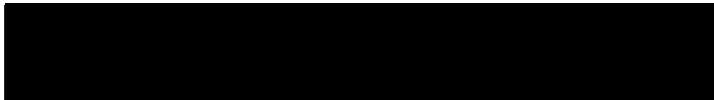
INSTITUTE FOR ANIMAL HEALTH

Director: Professor John Fazakerley BSc, MBA, PhD, FRCPath

Lab Reference WRL Batch Number: WRLFMD/2012/00005

PIRBRIGHT LABORATORY

**Sender
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Date Received: 31/01/2012 **Country Of Origin:** LIBYA

Date Tests Completed 10/02/2012

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
N3	LIB 17/2011	CATTLE, epithelium, Collected 18/12/2011	POS	NVD
O3	LIB 18/2011	CATTLE, epithelium, Collected 20/12/2011	POS	NVD
W1	LIB 19/2011	SHEEP, serum, Collected 21/12/2011	NEG	NVD
A1	LIB 20/2011	CATTLE, serum, Collected 21/12/2011	NEG	NVD
A2	LIB 21/2011	CATTLE, blood, Collected 21/12/2011	NEG	NVD
A3	LIB 22/2011	CATTLE, swab + epithelium, Collected 21/12/2011	POS	NVD
B1	LIB 23/2011	CATTLE, blood, Collected 21/12/2011	NEG	NVD
B2	LIB 24/2011	CATTLE, serum, Collected 21/12/2011	NEG	NVD
C1	LIB 25/2011	CATTLE, serum, Collected 21/12/2011	POS	O
C2	LIB 26/2011	CATTLE, blood, Collected 21/12/2011	POS	O

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

SOPs - WRL 026 (PCR), WRL 002 (Cell Culture), WRL 006 (ELISA)

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Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
C3	LIB 27/2011	CATTLE, swab + epithelium, Collected 21/12/2011	POS	NVD
D2	LIB 28/2011	CATTLE, blood, Collected 24/12/2011	NEG	NVD
D3	LIB 29/2011	CATTLE, epithelium, Collected 24/12/2011	POS	O
E2	LIB 30/2011	CATTLE, blood, Collected 25/12/2011	NEG	NVD
E3	LIB 31/2011	CATTLE, epithelium, Collected 25/12/2011	POS	O
F2	LIB 32/2011	CATTLE, blood, Collected 25/12/2011	NEG	NVD
F3	LIB 33/2011	CATTLE, epithelium, Collected 25/12/2011	POS	O
G2	LIB 34/2011	CATTLE, blood, Collected 27/12/2011	NEG	NVD
H2	LIB 35/2011	CATTLE, blood, Collected 29/12/2011	POS	NVD
L2	LIB 36/2011	SHEEP, blood, Collected 30/12/2011	NEG	NVD
K2	LIB 37/2011	SHEEP, blood, Collected 30/12/2011	NEG	NVD
M2	LIB 38/2011	SHEEP, blood, Collected 30/12/2011	POS	NVD
Unknown	LIB 1/2012	NOT KNOWN, epithelium, Collected 01/01/2012	POS	O

NVD - No Virus Detected POS - FMDV Genome Detected NEG - No FMDV Genome Detected FMDVGD - FMDV Genome Detected
SOPs - WRL 026 (PCR), WRL 002 (Cell Culture), WRL 006 (ELISA)

A UKAS accredited testing laboratory No. 4025.

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
Unknown	LIB 2/2012	NOT KNOWN, epithelium, Collected 01/01/2012	POS	O
Unknown	LIB 3/2012	NOT KNOWN, epithelium, Collected 01/01/2012	POS	O
Unknown	LIB 4/2012	NOT KNOWN, epithelium, Collected 01/01/2012	NEG	NVD
I3	LIB 5/2012	CATTLE, epithelium, Collected 12/01/2012	POS	O
J3	LIB 6/2012	CATTLE, epithelium, Collected 12/01/2012	POS	O
V1	LIB 7/2012	SHEEP, serum, Collected 17/01/2012	POS	O
V2	LIB 8/2012	SHEEP, blood, Collected 17/01/2012	POS	NVD
P1	LIB 9/2012	CATTLE, serum, Collected 18/01/2012	NEG	NVD
P2	LIB 10/2012	CATTLE, blood, Collected 18/01/2012	NEG	NVD
S2	LIB 11/2012	CATTLE, blood, Collected 18/01/2012	NEG	NVD
V2	LIB 12/2012	CATTLE, blood, Collected 18/01/2012	POS	NVD
Q1	LIB 13/2012	CATTLE, serum, Collected 18/01/2012	NEG	NVD
Q2	LIB 14/2012	CATTLE, blood, Collected 18/01/2012	NEG	NVD

NVD - No Virus Detected POS - FMDV Genome Detected NEG - No FMDV Genome Detected FMDVGD - FMDV Genome Detected
SOPs - WRL 026 (PCR), WRL 002 (Cell Culture), WRL 006 (ELISA)

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Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
R1	LIB 15/2012	CATTLE, serum, Collected 18/01/2012	NEG	NVD
R2	LIB 16/2012	CATTLE, blood, Collected 18/01/2012	NEG	NVD
T1	LIB 17/2012	SHEEP, blood, Collected 18/01/2012	NEG	NVD

NVD - No Virus Detected POS - FMDV Genome Detected NEG - No FMDV Genome Detected FMDVGD - FMDV Genome Detected
SOPs - WRL 026 (PCR), WRL 002 (Cell Culture), WRL 006 (ELISA)

A UKAS accredited testing laboratory No. 4025.

LAB DATA VALIDATION REPORT
LAB DATA AND TESTS FOR BATCH - WRLFMD/2012/00005

GENERAL LAB DATA

WRL REF NUMBER	DATE RECEIVED	WEIGHT IN GRAMS	PH	STORED AMOUNT	DATE STORED	RT-PCR	INTERIM RESULT	FINAL RESULT	DATE VALIDATED	VALIDATED BY
LIB/2011/00017	31/01/2012	1.425	7	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2011/00018	31/01/2012	1.085	7	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2011/00019	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00020	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00021	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00022	31/01/2012	0.001	6	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2011/00023	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00024	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00025	31/01/2012	0	0	1	31/01/2012	POSITIVE		O		
LIB/2011/00026	31/01/2012	0	0	1	31/01/2012	POSITIVE		O		
LIB/2011/00027	31/01/2012	0.001	6	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2011/00028	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00029	31/01/2012	0.605	6.8	1	31/01/2012	POSITIVE		O		
LIB/2011/00030	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00031	31/01/2012	0.723	7.2	1	31/01/2012	POSITIVE		O		
LIB/2011/00032	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00033	31/01/2012	1.067	7	1	31/01/2012	POSITIVE		O		
LIB/2011/00034	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00035	31/01/2012	0	0	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2011/00036	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00037	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2011/00038	31/01/2012	0	0	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2012/00001	31/01/2012	0.375	0	1	31/01/2012	POSITIVE		O		
LIB/2012/00002	31/01/2012	1.323	0	1	31/01/2012	POSITIVE		O		
LIB/2012/00003	31/01/2012	0.459	7.4	1	31/01/2012	POSITIVE		O		
LIB/2012/00004	31/01/2012	0.101	7.2	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00005	31/01/2012	0.496	6	1	31/01/2012	POSITIVE		O		
LIB/2012/00006	31/01/2012	0.5	6	1	31/01/2012	POSITIVE		O		
LIB/2012/00007	31/01/2012	0	0	1	31/01/2012	POSITIVE		O		
LIB/2012/00008	31/01/2012	0	0	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2012/00009	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00010	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00011	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00012	31/01/2012	0	0	1	31/01/2012	POSITIVE		FMDV GD		
LIB/2012/00013	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00014	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00015	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00016	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		
LIB/2012/00017	31/01/2012	0	0	1	31/01/2012	NEGATIVE		NVD		

ELISA TEST DATA

WRL REF NO	TEST TYPE	ATTEMPT	HOUR	SEROTYPE	RESULTS	NEGATIVE	DATE VALIDATED	VALIDATED BY
LIB/2011/00017	OS	1	0	NEG	-0.9	YES		
	OS	2	0	NEG	-0.9	YES		
LIB/2011/00018	OS	1	0	NEG	-0.9	YES		
	OS	2	0	NEG	-0.9	YES		
LIB/2011/00022	OS	1	0	NEG	-0.9	YES		

	OS	2	0	NEG	-0.9	YES		
	RS2	1	72	NEG	-0.9	YES		
LIB/2011/00025	BTY1	1	48	O	2.31	NO		
LIB/2011/00026	BTY2	1	24	O	2.23	NO		
LIB/2011/00027	OS	1	0	NEG	-0.9	YES		
	OS	2	0	NEG	-0.9	YES		
LIB/2011/00029	BTY1	1	24	O	2.55	NO		
	OS	1	0	O	1.05	NO		
LIB/2011/00031	OS	1	0	NEG	-0.9	YES		
	RS1	1	48	O	1.31	NO		
LIB/2011/00033	BTY1	1	48	O	2.51	NO		
	OS	1	0	O	1.35	NO		
	RS2	1	72	O	1.41	NO		
LIB/2012/00001	OS	1	0	O	0.23	NO		
LIB/2012/00002	OS	1	0	O	0.35	NO		
	RS2	1	24	O	1.36	NO		
LIB/2012/00003	BTY1	1	24	O	1.74	NO		
	OS	1	0	O	0.51	NO		
LIB/2012/00004	OS	1	0	NEG	-0.9	YES		
LIB/2012/00005	BTY1	1	48	O	0.63	NO		
	OS	1	0	O	0.29	NO		
	RS1	1	24	O	0.74	NO		
LIB/2012/00006	OS	1	0	O	0.18	NO		
LIB/2012/00007	BTY2	1	24	O	1.45	NO		

TISSUE CULTURE TEST DATA

WRL REF NUMBER	TC TEST TYPE	ATTEMPT NUMBER	HOUR	NUMBER OF TUBES	READING	DATE READ	DATE VALIDATED	VALIDATED BY
LIB/2011/00017	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2011/00018	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2011/00019	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00020	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00021	BTY1	1	24	5	-			

	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00022	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	VE			
	RS1	1	72	5	?+			
LIB/2011/00023	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00024	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00025	BTY1	1	24	5	-			
	BTY1	1	48	5	+			
LIB/2011/00026	BTY1	1	24	5	-			
	BTY1	1	48	1	+			
	BTY1	1	72	4	-			
	BTY1	1	96	4	-			
	BTY2	1	24	5	+			
LIB/2011/00027	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2011/00028	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00029	BTY1	1	24	5	+			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2011/00030	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00031	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	1	?+			
	RS1	1	72	3	?+			
	RS1	1	96	1	+			

LIB/2011/00032	BTY1	1	24	1	7+			
	BTY1	1	48	4	-			
	BTY1	1	72	4	-			
	BTY1	1	96	4	-			
	BTY2	1	24	5	-			
	BTY2	1	48	5	-			
LIB/2011/00033	BTY1	1	24	5	E			
	RS1	1	24	5	+			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	7+			
	RS2	1	24	5	-			
	RS2	1	48	1	E			
	RS2	1	72	1	+			
LIB/2011/00034	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00035	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00036	BTY1	1	24	1	7+			
	BTY1	1	48	4	-			
	BTY1	1	72	4	-			
	BTY1	1	96	4	-			
	BTY2	1	24	5	-			
	BTY2	1	48	5	-			
LIB/2011/00037	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2011/00038	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	2	7+			
	BTY2	1	24	5	-			
	BTY2	1	48	5	-			
LIB/2012/00001	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	7-			
	RS2	1	24	5	-			
	RS2	1	48	5	-			
LIB/2012/00002	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	1	E?			

	RS1	1	72	1	+			
	RS1	1	96	4	-			
	RS2	1	24	5	+			
LIB/2012/00003	BTY1	1	24	5	+			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2012/00004	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	E?			
	RS1	1	96	5	?+			
	RS2	1	24	5	-			
	RS2	1	48	5	-			
LIB/2012/00005	BTY1	1	24	5	-			
	BTY1	1	48	5	+			
	RS1	1	24	5	-			
	RS1	1	48	5	E			
	RS1	1	72	5	+			
LIB/2012/00006	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS1	1	72	5	-			
	RS1	1	96	5	-			
LIB/2012/00007	BTY1	1	24	5	-			
	BTY1	1	48	2	E?			
	BTY1	1	72	2	+			
	BTY1	1	96	3	-			
	BTY2	1	24	5	+			
LIB/2012/00008	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2012/00009	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2012/00010	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2012/00011	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY1	1	72	5	-			
	BTY1	1	96	5	-			
LIB/2012/00012	BTY1	1	24	5	-			
	BTY1	1	48	5	-			

LIB/2012/00013	BTY1	1	72	5	-		
	BTY1	1	96	5	-		
	BTY1	1	24	5	-		
LIB/2012/00014	BTY1	1	48	5	-		
	BTY1	1	72	5	-		
	BTY1	1	96	5	-		
LIB/2012/00015	BTY1	1	24	5	-		
	BTY1	1	48	5	-		
	BTY1	1	72	5	-		
LIB/2012/00016	BTY1	1	96	5	-		
	BTY1	1	24	5	-		
	BTY1	1	48	5	-		
LIB/2012/00017	BTY1	1	72	5	-		
	BTY1	1	96	5	-		
	BTY1	1	24	5	-		
	BTY1	1	48	5	-		
	BTY1	1	72	5	-		
	BTY1	1	96	5	-		

CT VALUES

WRL REF NUMBER	TEST NUMBER	WRL TEST REF	CT VALUE	CT MATERIAL	CT VIRUS	DATE VALIDATED	VALIDATED BY
LIB/2011/00017	1	WRL 0861	19.11	OS	FMD		
	2	WRL 0861	19.43	OS	FMD		
LIB/2011/00018	1	WRL 0861	18.55	OS	FMD		
	2	WRL 0861	19.17	OS	FMD		
LIB/2011/00019	1	WRL 0861	34.11	SERUM	FMD		
	2	WRL 0861	33.62	SERUM	FMD		
LIB/2011/00020	1	WRL 0861	36.36	SERUM	FMD		
	2	WRL 0861	36.15	SERUM	FMD		
LIB/2011/00021	1	WRL 0861	32.69	BLOOD	FMD		
	2	WRL 0861	33.14	BLOOD	FMD		
LIB/2011/00022	1	WRL 0861	23.7	OS	FMD		
	2	WRL 0861	23.03	OS	FMD		
LIB/2011/00023	1	WRL 0861	50	BLOOD	FMD		
	2	WRL 0861	34.89	BLOOD	FMD		
LIB/2011/00024	1	WRL 0861	33.57	SERUM	FMD		
	2	WRL 0861	35.45	SERUM	FMD		
LIB/2011/00025	1	WRL 0861	29.63	SERUM	FMD		
	2	WRL 0861	26.04	SERUM	FMD		
LIB/2011/00026	1	WRL 0861	24.53	BLOOD	FMD		
	2	WRL 0861	24.83	BLOOD	FMD		
LIB/2011/00027	1	WRL 0861	17.81	OS	FMD		
	2	WRL 0861	16.95	OS	FMD		
LIB/2011/00028	1	WRL 0861	32.04	BLOOD	FMD		
	2	WRL 0861	35.17	BLOOD	FMD		
LIB/2011/00029	1	WRL 0862	12.12	OS	FMD		
	2	WRL 0862	12.82	OS	FMD		
LIB/2011/00030	1	WRL 0862	33.59	BLOOD	FMD		
	2	WRL 0862	50	BLOOD	FMD		

LIB/2011/00031	1	WRL 0862	20.56	OS	FMD		
	2	WRL 0862	20.32	OS	FMD		
LIB/2011/00032	1	WRL 0862	50	BLOOD	FMD		
	2	WRL 0862	35.91	BLOOD	FMD		
LIB/2011/00033	1	WRL 0862	15.58	OS	FMD		
	2	WRL 0862	16.38	OS	FMD		
LIB/2011/00034	1	WRL 0862	50	BLOOD	FMD		
	2	WRL 0862	50	BLOOD	FMD		
LIB/2011/00035	1	WRL 0862	25.24	BLOOD	FMD		
	2	WRL 0862	27.26	BLOOD	FMD		
LIB/2011/00036	1	WRL 0862	33.53	BLOOD	FMD		
	2	WRL 0862	33.39	BLOOD	FMD		
LIB/2011/00037	1	WRL 0862	50	BLOOD	FMD		
	2	WRL 0862	50	BLOOD	FMD		
LIB/2011/00038	1	WRL 0862	27.71	BLOOD	FMD		
	2	WRL 0862	27	BLOOD	FMD		
LIB/2012/00001	1	WRL 0862	21.52	OS	FMD		
	2	WRL 0862	20.92	OS	FMD		
LIB/2012/00002	1	WRL 0863	21.14	OS	FMD		
	2	WRL 0863	20.53	OS	FMD		
LIB/2012/00003	1	WRL 0862	16.98	OS	FMD		
	2	WRL 0862	16.83	OS	FMD		
LIB/2012/00004	1	WRL 0863	35.74	OS	FMD		
	2	WRL 0863	50	OS	FMD		
LIB/2012/00005	1	WRL 0863	15.56	OS	FMD		
	2	WRL 0863	15.85	OS	FMD		
LIB/2012/00006	1	WRL 0863	18.79	OS	FMD		
	2	WRL 0863	18.98	OS	FMD		
LIB/2012/00007	1	WRL 086	27.23	OS	FMD		
	2	WRL 0863	27.46	OS	FMD		
LIB/2012/00008	1	WRL 0863	22.14	BLOOD	FMD		
	2	WRL 0863	22.34	BLOOD	FMD		
LIB/2012/00009	1	WRL 0863	50	SERUM	FMD		
	2	WRL 0863	50	SERUM	FMD		
LIB/2012/00010	1	WRL 0863	50	BLOOD	FMD		
	2	WRL 0863	50	BLOOD	FMD		
LIB/2012/00011	1	WRL 0863	50	BLOOD	FMD		
	2	WRL 0863	50	BLOOD	FMD		
LIB/2012/00012	1	WRL 0863	29.61	BLOOD	FMD		
	2	WRL 0863	30.13	BLOOD	FMD		
LIB/2012/00013	1	WRL 0864	34.98	SERUM	FMD		
	2	WRL 0864	36.87	SERUM	FMD		
LIB/2012/00014	1	WRL 0864	50	BLOOD	FMD		
	2	WRL 0864	50	BLOOD	FMD		
LIB/2012/00015	1	WRL 0864	36.45	SERUM	FMD		
	2	WRL 0864	36.59	SERUM	FMD		
LIB/2012/00016	1	WRL 0864	36.51	BLOOD	FMD		
	2	WRL 0864	50	BLOOD	FMD		
LIB/2012/00017	1	WRL 0864	50	BLOOD	FMD		
	2	WRL 0864	50	BLOOD	FMD		

Validated by



Date

10/02/2012

FMD DETECTION AND SEROTYPING FULL RESULTS

BATCH NUMBER - WRLFMD/2012/00005 DATE RECEIVED AT SITE - 31/01/2012 FROM LIBYA

SENDER DETAILS



Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA			PCR Result	Final Result
				BTY	RS	Other		
N3	LIB 17/2011	CATTLE, epithelium Collected 18/12/2011	NEG	-ve	-ve		19.11, 19.43	FMDV GD
O3	LIB 18/2011	CATTLE, epithelium Collected 20/12/2011	NEG	-ve	-ve		18.55, 19.17	FMDV GD
W1	LIB 19/2011	SHEEP, serum Collected 21/12/2011		-ve			34.11, 33.62	NVD
A1	LIB 20/2011	CATTLE, serum Collected 21/12/2011		-ve			36.36, 36.15	NVD
A2	LIB 21/2011	CATTLE, blood Collected 21/12/2011		-ve			32.69, 33.14	NVD
A3	LIB 22/2011	CATTLE, swab + epithelium Collected 21/12/2011	NEG	-ve	NEG		23.7, 23.03	FMDV GD

NVD - No Virus Detected POS - FMDV Genome Detected NEG - No FMDV Genome Detected FMDVGD - FMDV Genome Detected
WRLFMD/2012/00005 IAHB/2012/00131 10 February 2012 Page 1 of 5

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Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA			PCR Result	Final Result
				BTY	RS	Other		
B1	LIB 23/2011	CATTLE, blood Collected 21/12/2011		-ve			50, 34.69	NVD
B2	LIB 24/2011	CATTLE, serum Collected 21/12/2011		-ve			33.57, 35.45	NVD
C1	LIB 25/2011	CATTLE, serum Collected 21/12/2011		O			29.63, 26.04	O
C2	LIB 26/2011	CATTLE, blood Collected 21/12/2011		O			24.53, 24.83	O
C3	LIB 27/2011	CATTLE, swab + epithelium Collected 21/12/2011	NEG	-ve	-ve		17.81, 16.95	FMDV GD
D2	LIB 28/2011	CATTLE, blood Collected 24/12/2011		-ve			32.04, 35.17	NVD
D3	LIB 29/2011	CATTLE, epithelium Collected 24/12/2011	O	O	-ve		12.12, 12.82	O
E2	LIB 30/2011	CATTLE, blood Collected 25/12/2011		-ve			33.59, 50	NVD
E3	LIB 31/2011	CATTLE, epithelium Collected 25/12/2011	NEG	-ve	O		20.56, 20.32	O

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

Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY	RS	Other	PCR Result	Final Result
F2	LIB 32/2011	CATTLE, blood Collected 25/12/2011		-ve			50, 35.91	NVD
F3	LIB 33/2011	CATTLE, epithelium Collected 25/12/2011	O	O	O		15.58, 16.38	O
G2	LIB 34/2011	CATTLE, blood Collected 27/12/2011		-ve			50, 50	NVD
H2	LIB 35/2011	CATTLE, blood Collected 29/12/2011		-ve			25.24, 27.26	FMDV GD
L2	LIB 36/2011	SHEEP, blood Collected 30/12/2011		-ve			33.53, 33.39	NVD
K2	LIB 37/2011	SHEEP, blood Collected 30/12/2011		-ve			50, 50	NVD
M2	LIB 38/2011	SHEEP, blood Collected 30/12/2011		-ve			27.71, 27	FMDV GD
Unknown	LIB 1/2012	NOT KNOWN, epithelium Collected 01/01/2012	O	-ve	-ve		21.52, 20.92	O
Unknown	LIB 2/2012	NOT KNOWN, epithelium Collected 01/01/2012	O	-ve	O		21.14, 20.53	O

Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY	ELISA RS	Other	PCR Result	Final Result
Unknown	LIB 3/2012	NOT KNOWN, epithelium Collected 01/01/2012	O	O	-ve		16.98, 16.83	O
Unknown	LIB 4/2012	NOT KNOWN, epithelium Collected 01/01/2012	NEG	-ve	-ve		35.74, 50	NVD
I3	LIB 5/2012	CATTLE, epithelium Collected 12/01/2012	O	O	O		15.56, 15.85	O
J3	LIB 6/2012	CATTLE, epithelium Collected 12/01/2012	O	-ve	-ve		18.79, 18.98	O
V1	LIB 7/2012	SHEEP, serum Collected 17/01/2012		O			27.23, 27.46	O
V2	LIB 8/2012	SHEEP, blood Collected 17/01/2012		-ve			22.14, 22.34	FMDV GD
P1	LIB 9/2012	CATTLE, serum Collected 18/01/2012		-ve			50, 50	NVD
P2	LIB 10/2012	CATTLE, blood Collected 18/01/2012		-ve			50, 50	NVD
S2	LIB 11/2012	CATTLE, blood Collected 18/01/2012		-ve			50, 50	NVD

NVD - No Virus Detected
WRLFMD/2012/00005

POS - FMDV Genome Detected
IAHB/2012/00131

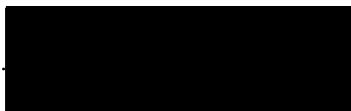
NEG - No FMDV Genome Detected
10 February 2012

FMDVGD - FMDV Genome Detected
Page 4 of 5

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Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY RS	Other	PCR Result	Final Result
V2	LIB 12/2012	CATTLE, blood Collected 18/01/2012		-ve		29.61, 30.13	FMDV GD
Q1	LIB 13/2012	CATTLE, serum Collected 18/01/2012		-ve		34.98, 36.87	NVD
Q2	LIB 14/2012	CATTLE, blood Collected 18/01/2012		-ve		50, 50	NVD
R1	LIB 15/2012	CATTLE, serum Collected 18/01/2012		-ve		36.45, 36.59	NVD
R2	LIB 16/2012	CATTLE, blood Collected 18/01/2012		-ve		36.51, 50	NVD
T1	LIB 17/2012	SHEEP, blood Collected 18/01/2012		-ve		50, 50	NVD

Validated by ...



Date

10/02/2012