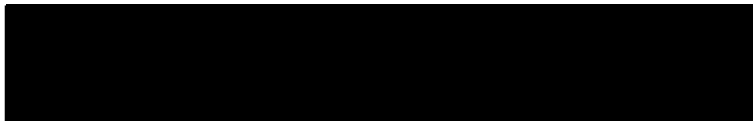


FMD Detection And Serotyping Results

Lab Reference WRL batch Number: WRLFMD/2012/00002

Sender Details:



Date Received: 13/01/2012

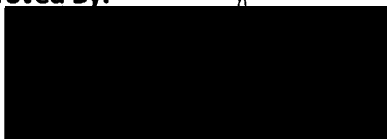
Country of Origin: TANZANIA

Dear Dr S. M. Das,

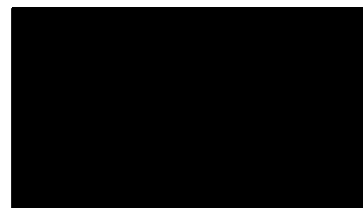
Diagnostics work has now been completed in respect of the samples you submitted and the details are as attached.

Samples were collected under zoosanitary permit number VIC/AR/ZIS/8338 issued on 2nd December 2011

Results Approved By:

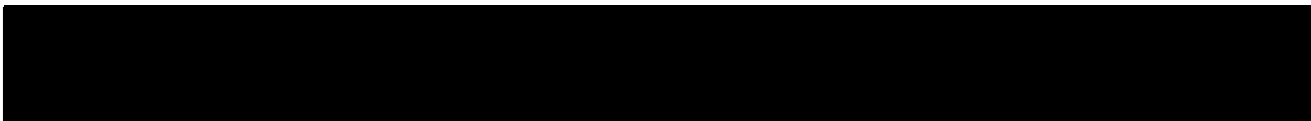


Official Stamp:



Date:

1/2/12



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

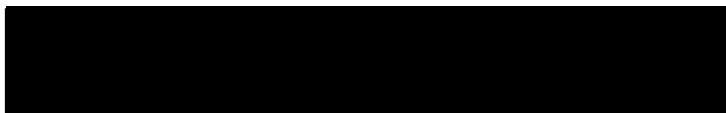
INSTITUTE FOR ANIMAL HEALTH

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

Lab Reference WRL Batch Number: WRLFMD/2012/00002

PIRBRIGHT LABORATORY

Sender
Details:



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Email: iah@iah.ac.uk

Website: www.iah.bbsrc.ac.uk

Date Received: 13/01/2012 Country Of Origin: TANZANIA

Date Tests Completed 30/01/2012

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
Oriendeke 1	TAN 1/2011	CATTLE, epithelium, Collected 21/07/2011	POS	NVD
Oriendeke 3	TAN 2/2011	CATTLE, epithelium, Collected 21/07/2011	POS	SAT 2
Oriendeke 5	TAN 3/2011	CATTLE, epithelium, Collected 21/07/2011	POS	SAT 2
Oriendeke 6	TAN 4/2011	CATTLE, epithelium, Collected 21/07/2011	POS	SAT 2
6802	TAN 5/2011	CATTLE, epithelium, Collected 28/07/2011	POS	NVD
6807	TAN 6/2011	CATTLE, epithelium, Collected 29/07/2011	POS	SAT 2
823	TAN 7/2011	CATTLE, epithelium, Collected 20/08/2011	POS	SAT 2
834	TAN 8/2011	CATTLE, epithelium, Collected 20/08/2011	POS	SAT 2
6483	TAN 9/2011	CATTLE, epithelium, Collected 27/11/2011	NEG	NVD
6489	TAN 10/2011	CATTLE, epithelium, Collected 27/11/2011	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.

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
6414	TAN 11/2011	NOT KNOWN, epithelium, Collected 27/11/2011	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.

FMD DETECTION AND SEROTYPING FULL RESULTS

BATCH NUMBER - WRLFMD/2012/00002 DATE RECEIVED AT SITE - 13/01/2012 FROM TANZANIA

SENDER DETAILS [REDACTED]

Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY	RS	Other	PCR Result	Final Result
Oriendeke 1	TAN 1/2011	CATTLE, epithelium Collected 21/07/2011	NEG	-ve	-ve		25.01, 24.83	FMDV GD
Oriendeke 3	TAN 2/2011	CATTLE, epithelium Collected 21/07/2011	SAT 2	-ve	-ve		16.69, 17.18	SAT 2
Oriendeke 5	TAN 3/2011	CATTLE, epithelium Collected 21/07/2011	NEG	SAT 2	SAT 2		17.6, 18.07	SAT 2
Oriendeke 6	TAN 4/2011	CATTLE, epithelium Collected 21/07/2011	SAT 2	SAT 2	-ve		19.9, 19.83	SAT 2
6802	TAN 5/2011	CATTLE, epithelium Collected 28/07/2011	NEG	-ve	-ve		23.07, 21.96	FMDV GD
6807	TAN 6/2011	CATTLE, epithelium Collected 29/07/2011	SAT 2	SAT 2	-ve		18.98, 18.92	SAT 2

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

WRLFMD/2012/00002

IAHB/2012/00049

30 January 2012

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Created by IAH Informatics FMD serotyping Full Results Report

Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA	Other	PCR Result	Final Result
			ELISA	BTY	RS	Result	
833	TAN 7/2011	CATTLE, epithelium Collected 20/08/2011	NEG	SAT 2	SAT 2	18.47, 19.44	SAT 2
834	TAN 8/2011	CATTLE, epithelium Collected 20/08/2011	NEG	SAT 2	-ve	21.69, 22.11	SAT 2
6483	TAN 9/2011	CATTLE, epithelium Collected 27/11/2011	NEG	-ve	-ve	50.50	NVD
6489	TAN 10/2011	CATTLE, epithelium Collected 27/11/2011	NEG	-ve	-ve	50.50	NVD
6414	TAN 11/2011	NOT KNOWN, epithelium Collected 27/11/2011	NEG	-ve	-ve	50.50	NVD

Validated by  Date 26/1/2012

LAB DATA VALIDATION REPORT
LAB DATA AND TESTS FOR BATCH - WRLFMD/2012/00002

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
TAN/2011/00001	13/01/2012	0.151	6.8	1	13/01/2012	POSITIVE		FMDV GD		
TAN/2011/00002	13/01/2012	0.338	0	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00003	13/01/2012	0.296	6	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00004	13/01/2012	0.341	6	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00005	13/01/2012	0.288	0	1	13/01/2012	POSITIVE		FMDV GD		
TAN/2011/00006	13/01/2012	0.151	0	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00007	13/01/2012	0.451	6.8	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00008	13/01/2012	1.055	6.8	1	13/01/2012	POSITIVE		SAT 2		
TAN/2011/00009	13/01/2012	0.093	0	1	13/01/2012	NEGATIVE		NVD		
TAN/2011/00010	13/01/2012	0.254	0	1	13/01/2012	NEGATIVE		NVD		
TAN/2011/00011	13/01/2012	0.159	0	1	13/01/2012	NEGATIVE		NVD		

ELISA TEST DATA

WRL REF NO	TEST TYPE	ATTEMPT	HOUR	SEROTYPE	RESULTS	NEGATIVE	DATE VALIDATED	VALIDATED BY
TAN/2011/00001	OS	1	0	NEG	-0.9	YES		
TAN/2011/00002	OS	1	0	SAT 2	0.35	NO		
TAN/2011/00003	BTY1	1	24	SAT 2	1.25	NO		
	OS	1	0	NEG	-0.9	YES		
	RS1	1	48	SAT 2	1.89	NO		
TAN/2011/00004	BTY1	1	48	SAT 2	1.2	NO		
	OS	1	0	SAT 2	0.12	NO		
TAN/2011/00005	OS	1	0	NEG	-0.9	YES		
TAN/2011/00006	BTY2	1	72	SAT 2	0.37	NO		
	OS	1	0	SAT 2	0.13	NO		
TAN/2011/00007	BTY1	1	48	SAT 2	0.84	NO		
	OS	1	0	NEG	-0.9	YES		
	RS1	1	72	SAT 2	0.65	NO		
TAN/2011/00008	BTY2	1	48	SAT 2	0.43	NO		
	OS	1	0	NEG	-0.9	YES		
TAN/2011/00009	OS	1	0	NEG	-0.9	YES		
TAN/2011/00010	OS	1	0	NEG	-0.9	YES		
TAN/2011/00011	OS	1	0	NEG	-0.9	YES		

TISSUE CULTURE TEST DATA

WRL REF NUMBER	TC TEST TYPE	ATTEMPT NUMBER	HOUR	NUMBER OF TUBES	READING	DATE READ	DATE VALIDATED	VALIDATED BY
TAN/2011/00001	BTY1	1	24	5	-			
	BTY1	1	48	5	-			
	BTY2	1	24	5	-			
	BTY2	1	48	5	-			
	RS1	1	24	5	-			
	RS1	1	48	5	-			
	RS2	1	24	5	-			
	RS2	1	48	5	-			
TAN/2011/00002	BTY1	1	24	5	-			
	BTY1	1	48	5	-			

	RS1	1	48	5				
	RS2	1	24	5				
	RS2	1	48	5				
TAN/2011/00010	BTY1	1	24	5				
	BTY1	1	48	5				
	BTY2	1	24	5				
	BTY2	1	48	5				
	BTY2	1	72	5				
	RS1	1	24	5				
	RS1	1	48	5				
	RS2	1	24	5				
	RS2	1	48	5				
	RS2	1	72	5				
TAN/2011/00011	BTY1	1	24	5				
	BTY1	1	48	5				
	BTY2	1	24	5				
	BTY2	1	48	5				
	BTY2	1	72	5				
	RS1	1	24	5				
	RS1	1	48	5				
	RS2	1	24	5				
	RS2	1	48	5				
	RS2	1	72	5				

CT VALUES

WRL REF NUMBER	TEST NUMBER	WRL TEST REF	CT VALUE	CT MATERIAL	CT VIRUS	DATE VALIDATED	VALIDATED BY
TAN/2011/00001	1	WRL 0855	25.01	OS	FMD		
	2	WRL 0855	24.83	OS	FMD		
TAN/2011/00002	1	WRL 0855	16.69	OS	FMD		
	2	WRL 0855	17.18	OS	FMD		
TAN/2011/00003	1	WRL 0855	17.6	OS	FMD		
	2	WRL 0855	18.07	OS	FMD		
TAN/2011/00004	1	WRL 0855	19.9	OS	FMD		
	2	WRL 0855	19.83	OS	FMD		
TAN/2011/00005	1	WRL 0855	23.07	OS	FMD		
	2	WRL 0855	21.96	OS	FMD		
TAN/2011/00006	1	WRL 0855	18.98	OS	FMD		
	2	WRL 0855	18.92	OS	FMD		
TAN/2011/00007	1	WRL 0855	18.47	OS	FMD		
	2	WRL 0855	19.44	OS	FMD		
TAN/2011/00008	1	WRL 0855	21.69	OS	FMD		
	2	WRL 0855	22.11	OS	FMD		
TAN/2011/00009	1	WRL 0855	50	OS	FMD		
	2	WRL 0855	50	OS	FMD		
TAN/2011/00010	1	WRL 0855	50	OS	FMD		
	2	WRL 0855	50	OS	FMD		
TAN/2011/00011	1	WRL 0855	50	OS	FMD		
	2	WRL 0855	50	OS	FMD		

Validated by



Date

26/01/2012

	BTY2	1	24	5	-		
	BTY2	1	48	5	-		
	RS1	1	24	5	-		
	RS1	1	48	5	-		
	RS2	1	24	5	-		
	RS2	1	48	5	-		
TAN/2011/00003	BTY1	1	24	5	+		
	RS1	1	24	5	VE		
	RS1	1	48	5	+		
TAN/2011/00004	BTY1	1	24	2	VE		
	BTY1	1	48	3	+		
	RS1	1	24	5	-		
	RS1	1	48	5	-		
TAN/2011/00005	BTY1	1	24	5	-		
	BTY1	1	48	5	-		
	BTY2	1	24	5	-		
	BTY2	1	48	5	-		
	RS1	1	24	5	-		
	RS1	1	48	5	-		
	RS2	1	24	5	-		
	RS2	1	48	5	-		
TAN/2011/00006	BTY1	1	24	5	-		
	BTY1	1	48	1	VE		
	BTY1	1	72	1	+		
	BTY2	1	24	5	-		
	BTY2	1	48	5	VE?		
	BTY2	1	72	5	+		
	RS1	1	24	5	-		
	RS1	1	48	5	-		
	RS1	1	72	5	-		
	RS2	1	24	5	-		
	RS2	1	48	5	-		
	RS2	1	72	5	-		
TAN/2011/00007	BTY1	1	24	5	VVE		
	BTY1	1	48	5	+		
	RS1	1	24	5	-		
	RS1	1	48	5	E		
	RS1	1	72	5	+		
TAN/2011/00008	BTY1	1	24	5	-		
	BTY1	1	48	1	E		
	BTY1	1	72	1	+		
	BTY2	1	24	4	E		
	BTY2	1	48	5	+		
	RS1	1	24	5	-		
	RS1	1	48	5	-		
	RS1	1	72	5	-		
	RS2	1	24	5	-		
	RS2	1	48	5	-		
	RS2	1	72	5	-		
TAN/2011/00009	BTY1	1	24	5	-		
	BTY1	1	48	5	-		
	BTY2	1	24	5	-		
	BTY2	1	48	5	-		
	RS1	1	24	5	-		