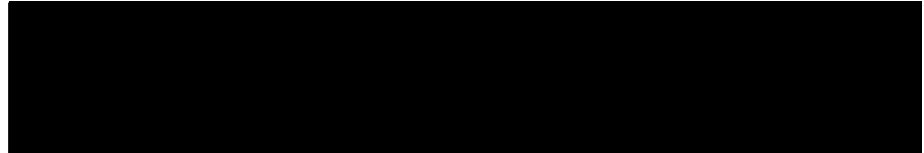


FMD Detection And Serotyping Results

Lab Reference WRL batch Number: WRLFMD/2011/00006

Sender Details:



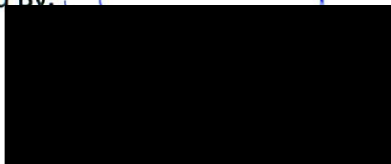
Date Received: 07/02/2011

Country of Origin: KOREA, REPUBLIC OF (SOUTH)

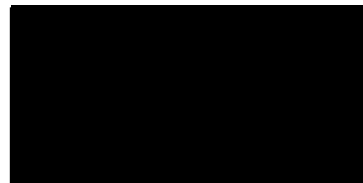
Dear Dr In-So Cho,

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

Results Approved By:



Official Stamp:



Date:

14/2/11



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.wilson@bbsrc.ac.uk)

FMD Detection And Serotyping Results Report Acting Director: Professor David Paton MA, VetMB, PhD, MRCVS

Lab Reference WRL Batch Number: WRLFMD/2011/00006

PIRBRIGHT LABORATORY

Sender
Details:



Ash Road, Pirbright,

Surrey GU24 0NF

Tel: +44 (0)1483 232441

Fax: +44 (0)1483 232448

Email: iah@bbsrc.ac.uk

Website: www.iah.bbsrc.ac.uk

Date Received: 07/02/2011 Country Of Origin: KOREA, REPUBLIC OF

Date Tests Completed: 14/02/2011

Your Reference	WRL Reference	Description of Sample	PCR Result	Serotyping Result by Cell Culture/ELISA
1 1-4	SKR 5/2010	PIG, fluid/vesicular, Collected 28/11/2010	POS	O
2 1-6	SKR 6/2010	PIG, fluid/vesicular, Collected 28/11/2010	POS	O
8 9402	SKR 7/2010	CATTLE, fluid/vesicular, Collected 15/12/2010	POS	O
5 101-4	SKR 1/2011	CATTLE, fluid/vesicular, Collected 01/01/2011	POS	O
4 74-1	SKR 2/2011	CATTLE, fluid/cell culture, Collected 01/01/2011	POS	NVD
7 108-1	SKR 3/2011	PIG, fluid/vesicular, Collected 02/01/2011	POS	O
6 105-2	SKR 4/2011	CATTLE, fluid/vesicular, Collected 03/01/2011	NEG	NVD
3 57-1	SKR 5/2011	PIG, fluid/vesicular, Collected 10/01/2011	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)

LAB DATA VALIDATION REPORT
LAB DATA AND TESTS FOR BATCH - WRLFMD/2011/00006

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
SKR/2010/00005	07/02/2011	0	0	1	07/02/2011	POSITIVE		0		
SKR/2010/00006	07/02/2011	0	0	1	07/02/2011	POSITIVE		0		
SKR/2010/00007	07/02/2011	0	0	1	07/02/2011	POSITIVE		0		
SKR/2011/00001	07/02/2011	0	0	1	07/02/2011	POSITIVE		0		
SKR/2011/00002	07/02/2011	0	0	1	07/02/2011	POSITIVE		FMDV GD		
SKR/2011/00003	07/02/2011	0	0	1	07/02/2011	POSITIVE		0		
SKR/2011/00004	07/02/2011	0	0	1	07/02/2011	NEGATIVE		NVD		
SKR/2011/00005	07/02/2011	0	0	1	07/02/2011	NEGATIVE		NVD		

ELISA TEST DATA

WRL REF NO	TEST TYPE	ATTEMPT	HOUR	SEROTYPE	RESULTS	NEGATIVE	DATE VALIDATED	VALIDATED BY
SKR/2010/00005	BTY1	1	48	O	1.57	NO		
	RS1	1	72	O	1.89	NO		
SKR/2010/00006	BTY1	1	48	O	1.67	NO		
	RS1	1	72	O	1.67	NO		
SKR/2010/00007	BTY1	1	48	O	1.47	NO		
	RS1	1	48	O	1.67	NO		
SKR/2011/00001	BTY1	1	24	O	1.73	NO		
	RS1	1	72	O	1.09	NO		
SKR/2011/00003	BTY1	1	48	O	1.6	NO		
	RS1	1	72	O	1.89	NO		

TISSUE CULTURE TEST DATA

WRL REF NUMBER	TC TEST TYPE	ATTEMPT NUMBER	HOUR	NUMBER OF TUBES	READING	DATE READ	DATE VALIDATED	VALIDATED BY
SKR/2010/00005	BTY1	1	24	3	-			
	BTY1	1	48	3	+			
	RS1	1	24	3	-			
	RS1	1	48	3	-			
SKR/2010/00006	RS1	1	72	3	+			
	BTY1	1	24	3	VE			
	BTY1	1	48	3	+			
	RS1	1	24	3	-			
SKR/2010/00007	RS1	1	48	3	E?			
	RS1	1	72	3	+			
	BTY1	1	24	3	E			
	BTY1	1	48	3	+			
SKR/2011/00001	RS1	1	24	3	-			
	RS1	1	48	3	+			
	RS1	1	24	2	VE			
	RS1	1	48	2	E			
SKR/2011/00002	RS1	1	72	2	+			
	BTY1	1	24	3	-			
	BTY1	1	48	3	-			
	BTY1	1	72	3	-			
	BTY1	1	96	3	-			

	RS1	1	24	3	-		
	RS1	1	48	3	-		
	RS1	1	72	3	-		
	RS1	1	96	3	-		
SKR/2011/00003	BTY1	1	24	3	E		
	BTY1	1	48	3	+		
	RS1	1	24	3	-		
	RS1	1	48	3	+		
SKR/2011/00004	BTY1	1	24	3	-		
	BTY1	1	48	3	-		
	BTY1	1	72	3	-		
	BTY1	1	96	3	-		
	RS1	1	24	3	-		
	RS1	1	48	3	-		
	RS1	1	72	3	-		
	RS1	1	96	3	-		
SKR/2011/00005	BTY1	1	24	3	-		
	BTY1	1	48	3	-		
	BTY1	1	72	3	-		
	BTY1	1	96	3	-		
	RS1	1	24	3	-		
	RS1	1	48	3	-		
	RS1	1	72	3	-		
	RS1	1	96	3	-		

CT VALUES

WRL REF NUMBER	TEST NUMBER	WRL TEST REF	CT VALUE	CT MATERIAL	CT VIRUS	DATE VALIDATED	VALIDATED BY
SKR/2010/00005	1	WRL 0699	20.32	OF	FMD		
	2	WRL 0699	20.72	OF	FMD		
	3	WRL 0699	50	OF	SVD		
	4	WRL 0699	50	OF	SVD		
SKR/2010/00006	1	WRL 0699	19.73	OF	FMD		
	2	WRL 0699	19.1	OF	FMD		
	3	WRL 0699	50	OF	SVD		
	4	WRL 0699	50	OF	SVD		
SKR/2010/00007	1	WRL 0699	16.67	OF	FMD		
	2	WRL 0699	16.72	OF	FMD		
SKR/2011/00001	1	WRL 0699	23.01	OF	FMD		
	2	WRL 0699	23.04	OF	FMD		
SKR/2011/00002	1	WRL 0699	19.25	OF	FMD		
	2	WRL 0699	19.21	OF	FMD		
SKR/2011/00003	1	WRL 0702	19.17	OF	FMD		
	2	WRL 0702	19.53	OF	FMD		
	3	WRL 0702	37.6%	OF	SVD		
	4	WRL 0702	37.18	OF	SVD		
SKR/2011/00004	1	WRL 0702	35.13	OF	FMD		
	2	WRL 0702	35.06	OF	FMD		
SKR/2011/00005	1	WRL 0702	36.61	OF	FMD		
	2	WRL 0702	34.38	OF	FMD		
	3	WRL 0702	50	OF	SVD		
	4	WRL 0702	50	OF	SVD		

Validated by



Date 14/2/11

FMD DETECTION AND SEROTYPING FULL RESULTS

BATCH NUMBER - WRLFMD/2011/00006 DATE RECEIVED AT SITE - 07/02/2011 FROM KOREA, REPUBLIC OF (SOUTH)

SENDER DETAILS



Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY	RS	Other	PCR Result	Final Result
1 1-4	SKR 5/2010	PIG, fluid/vesicular Collected 28/11/2010		O	O		20.32, 20.72, 50(SVD), 50(SVD)	O
2 1-6	SKR 6/2010	PIG, fluid/vesicular Collected 28/11/2010		O	O		19.73, 19.1, 50(SVD), 50(SVD)	O
8 9402	SKR 7/2010	CATTLE, fluid/vesicular Collected 15/12/2010		O	O		16.67, 16.72	O
5 101-4	SKR 1/2011	CATTLE, fluid/vesicular Collected 01/01/2011		O	O		23.01, 23.04	O
4 74-1	SKR 2/2011	CATTLE, fluid/cell culture Collected 01/01/2011		-ve	-ve		19.25, 19.21	FMDV GD
7 108-1	SKR 3/2011	PIG, fluid/vesicular Collected 02/01/2011		O	O		19.17, 19.53, 37.62(SV D)	O

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

WRLFMD/2011/00006

IAHB/2011/00102

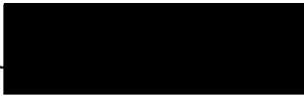
14 February 2011

Page 1 of 2

Created by IAH Informatics FMD serotyping Full Results Report

Your Reference	WRL Reference	Description of Sample	Direct Antigen ELISA	Cell Culture / ELISA BTY RS	Other	PCR Result	Final Result
6 105-2	SKR 4/2011	CATTLE, fluid/vesicular Collected 03/01/2011		-ve -ve		35.13, 35.06	NVD
3 57-1	SKR 5/2011	PIG, fluid/vesicular Collected 10/01/2011		-ve -ve		36.61, 34.38, 50(SVD), 50(SVD)	NVD

Validated by



Date

14/2/11

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

WRLFMD/2011/00006

IAIIB/2011/00102

14 February 2011

Page 2 of 2

Created by LAH Informatics FMD serotyping Full Results Report