WRLFMD

INSTITUTE FOR ANIMAL HEALTH

Director: Professor Martin W. Shirley, PhD

PIRBRIGHT LABORATORY

Ash Road,

Pirbright,

Surrey,

GU24 0NF

Intn Tel: 00 44 1483 232441

Tel: 01483 232441 Fax: 01483 232621

FMD Vaccine Matching Strain Differentiation Report

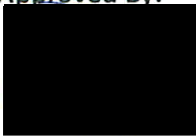**Lab Reference WRL Batch Number:**   WRLFMD/2010/00011

Sender Details:

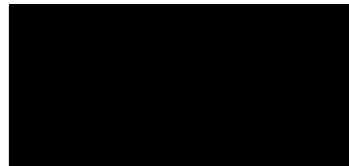**Date Received:**   18th March 2010

Country of Origin: Iran

Date Reported: 2nd June 2010

Report no:	VNT							LPBE				
Vaccine:	VNT	A Ind 17/82	A Irn 87	A Irn 96	A22 Irq	A Sau 41/91	A Tur06	ELISA	A22 Irq 24/64	A Eritrea	A Irn 87	A Irn 99
Field Isolate:												
A Irn 78/2009	Mean	0.45	0.32	0.28	0.23	0.11	0.43	Mean	0.05	0.38	0.26	0.21
A Irn 9/2010	Mean	0.44	0.21	0.16	0.13	0.13	0.34	Mean	DNT	0.36	0.29	0.05

Results Approved By:

Official Stamp:

Date: 2/6/2010

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)

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Interpretation of Results

In the case of Virus Neutralisation Test (VNT):

$r_1 = \geq 0.3$. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

$r_1 = < 0.3$. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect.

ND = Not done.

In the case of Liquid Phase Blocking Elisa (LPBE):

$r_1 = 0.4-1.0$. Suggests that there is a close relationship between field isolate and vaccine strain. A potent vaccine containing the vaccine strain is likely to confer protection.

$r_1 = 0.2-0.39$, Suggests that the field isolate is antigenically related to the vaccine strain. The vaccine strain might be suitable for use if no closer match can be found provided that a potent vaccine is used and animals are preferably immunised more than once.

$r_1 = <0.2$. Suggests that the field isolate is so different from the vaccine strain that the vaccine is unlikely to protect.

DNT = Did not trap.

ND = Not done.

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