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/2010/00032
Sender Details: [redacted]
Date Received: 29th September 2010
Country of Origin: Iran
Date Reported: 4th January 2011

Report no:	VNT							LPBE				
Vaccine: / Field Isolate:	VNT	O 3039	O 4625	O Bfs	O Ind R2/75	O Manisa	O Taw98	LPBE	O 4625	O BFS 1860	O 4174	O Manisa
O Irn 174/2010	Mean	0.51	0.83	0.45	>1.0	0.50	>1.0	Mean	0.24	0.06	0.38	0.50
O Irn 187/2010	Mean	0.33	0.74	0.42	>1.0	0.35	0.87	Mean	0.33	DNT	DNT	0.14

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: 6/1/11

[redacted]

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)

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):

$r_1 = 0.4\text{-}1.0$. 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.
$r_1 = 0.2\text{-}0.39$, 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.