



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/2010/00034
Sender Details: 
Date Received: 25th October 2010
Country of Origin: Iran
Date Reported: 17th January 2011

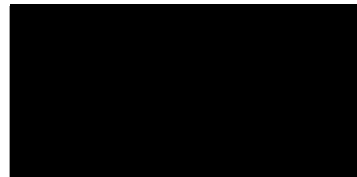
Re.: Serotype O

Report no:	VNT							LPBE			
Vaccine:		O	O	O	O Ind	O	O		O BFS	O	O
Field Isolate:	VNT	3039	4625	Bfs	R2/75	Manisa	Taw98	LPBE	1860	4174	Manisa
O Irn 191/10	Mean	>0.98	>0.94	0.26	0.85	0.44	>1.0	Mean	0.13	DNT	0.28
O Irn 194/10	Mean	0.88	0.89	0.26	>0.91	0.38	>0.99	Mean	ND	ND	ND

Results Approved By:



Official Stamp:



Date:

17.1.11



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)

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.