



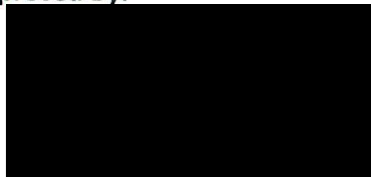
INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W. Shirley, PhD
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Vaccine Matching Strain Differentiation Report

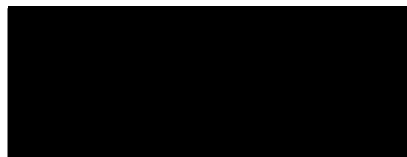
Lab Reference WRL Batch Number: WRLFMD/2010/00011
Sender Details: 
Date Received: 18 March 2010
Country of Origin: Iran
Date Reported: 26th August 2010

Report no:	VNT					LPBE			
Vaccine:		○ Bfs	○ Ind R2/75	○ Manisa	○ Taw98		○ 4174	○ BFS 1860	○ Manisa
Field Isolate:	VNT					ELISA			
○ Irn 89/2009	Mean	0.45	>0.76	0.27	0.73	Mean	DNT	0.2	≥0.75
○ Irn 5/2010	Mean	0.52	0.61	0.27	0.48	Mean	DNT	0.21	≥0.84
○ Irn 8/2010	Mean	0.87	>1.0	0.72	>0.85	Mean	0.54	0.38	0.44
○ Irn 17/2010	Mean	0.40	0.85	0.19	0.31	Mean	≥0.75	0.29	0.40
○ Irn 27/2010	Mean	0.36	>0.78	0.26	0.38	Mean	0.15	0.25	0.38

Results Approved By:



Official Stamp:



Date:



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.