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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: 14th June 2010

Report no:	VNT				LPBE			
Vaccine:		O Bfs	O Ind R2/75	O Manisa		O 4174	O BFS 1860	O Manisa
Field Isolate:	VNT				LPBE			
O Irn 80/2009	Mean	0.47	>1.0	0.39	Mean	DNT	DNT	0.50
O Irn 1/2010	Mean	0.36	>1.0	0.31	Mean	0.13	0.25	0.75
O Irn 30/2010	Mean	0.78	>0.95	0.41	Mean	0.62	0.36	0.59

Results Approved By:

Official Stamp:

Date:

14/6/10

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.