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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00018
Sender Details: [redacted]
Date Received: 21st April 2010
Country of Origin: Iran
Date Reported: 26th August 2010

Report no:		VNT				LPBE			
Vaccine: / Field Isolate:	VNT	O Bfs	O Ind R2/75	O Manisa	O Taw98	ELISA	O 4174	O BFS 1860	O Manisa
O Irn 33/2010	Mean	0.48	>0.94	0.25	0.46	Mean	1.00	0.32	0.38
O Irn 44/2010	Mean	0.39	0.91	0.29	0.31	Mean	0.44	0.63	0.75
O Irn 49/2010	Mean	0.29	>1.0	0.25	0.67	Mean	DNT	0.32	0.15

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: [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.