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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00034
Sender Details: [redacted]
Date Received: 25th October 2010
Country of Origin: Iran
Date Reported: 17th January 2011

Re.: Serotype O

Report no:	VNT							LPBE			
Vaccine: / Field Isolate:	VNT	O 3039	O 4625	O Bfs	O Ind R2/75	O Manisa	O Taw98	LPBE	O BFS 1860	O 4174	O 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: [redacted]

Official Stamp: [redacted]

Date: 17.1.11

[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.