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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00025
Sender Details: [redacted]

Date Received: 1st May 2009
Country of Origin: Thailand
Date Reported: 14th January 2010

Report no:	VNT				LPBE					
Vaccine: / Field Isolate:	VNT	O Manisa	O Bfs	O Ind R2/75	LPBE	O 4174	O BFS 1860	O Hkn 6/83	O Taw 189/87	O Manisa
O Tai 7/2008	Mean	0.06	0.09	0.13	Mean	0.25	DNT	DNT	DNT	>1
O Tai 1/2009	Mean	0.24	0.34	0.67	Mean	0.59	0.25	DNT	0.42	>1
O Tai 2/2009	Mean	0.28	0.43	0.79	Mean	0.53	0.22	1.00	0.84	>1
O Tai 4/2009	Mean	0.45	0.65	>0.83	Mean	0.59	0.17	≥0.75	0.84	>1

Results [redacted]

Official Stamp: [redacted]

Date: 14.1.10

[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.