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## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00035

Sender Details:



Date Received: 5<sup>th</sup> November 2010

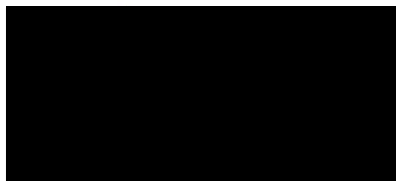
Country of Origin: Vietnam

Date Reported: 17<sup>th</sup> January 2011

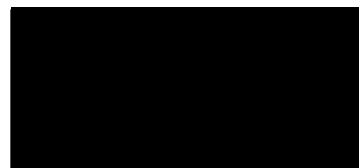
Re.: Serotype O

Report no:	VNT							LPBE		
Vaccine:		O	O	O	O Ind	O	O		O	
Field Isolate:	VNT	3039	4625	Bfs	R2/75	Manisa	Taw98	LPBE	BFS 1860	O Manisa
O Vit 2/2010	Mean	>0.72	0.42	0.10	0.36	0.28	0.52	Mean	0.16	0.50
O Vit 12/2010	Mean	>0.66	>0.5 6	0.13	0.36	0.44	>0.78	Mean	0.38	0.89

Results Approved By:



Official Stamp:



Date:

17/1/11



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](mailto: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.