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## **FMD Vaccine Matching Strain Differentiation Report**

**Lab Reference WRL Batch Number:** WRLFMD/2009/00019

**Sender Details:**

**Date Received:** 20<sup>th</sup> April 2009  
**Country of Origin:** Myanmar  
**Date Reported:** 30<sup>th</sup> July 2009

**Results Approved**

**Official Stamp:**

**Date:** 01/07/09

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.byrom@bbsrc.ac.uk](mailto:elizabeth.byrom@bbsrc.ac.uk))

Report no: 14/09				2dmVNT										LPBE									
Field Isolate:		O Manisa	O Bfs	O Ind R2/75		O Manisa	O 4174	O BFS 1860	O Hkn 6/83	O Phi 95	O 3039	O 189/87	O Taiwan 98	O TNN 24/84									
O Mya 3/2009					ET 39/09	Did not trap	Did not trap	Did not trap	Did not trap	Did not trap													
					ET 40/09						Did not trap	Did not trap	Did not trap	Did not trap									
	mn59/09	0.16	0.20	0.23	ET 45/09	Did not trap	Did not trap	Did not trap	Did not trap														
	mn61/09	0.36	0.33	0.51																			
	mn65/09	0.07	0.05	0.07																			
	Mean:	0.20	0.19	0.27	Mean:																		

#### Interpretation of $r_1$ values

##### In the case of 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

##### In the case of ELISA:

$r_1 = 0.4-1.0$ . 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