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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00043
Sender Details: [redacted]

Date Received: 3rd September 2009
Country of Origin: Ethiopia
Date Reported: 4th January 2010

Report no:	VNT				LPBE					
Vaccine: / Field Isolate:	VNT	O Manisa	O Bfs	O Ind R2/75	ELISA	O 4174	O BFS 1860	K77/78	O 4625	O Manisa
O Eth 39/2009	Mean	0.16	0.51	0.86	Mean	0.38	0.38	DNT	DNT	>1
O Eth 49/2009	Mean	0.34	0.56	>1.0	Mean	0.59	0.88	1.00	≥0.84	>1

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: 8/1/2010

[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 = ≥ 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.