WRLFMD

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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00020
Sender Details: [redacted]

Date Received: 23rd of April 2009
Country of Origin: China
Date Reported: 29th September 2009

Results Approved By: [redacted]

Official Stamp:

Institute for Animal Health
Pirbright Laboratory
0 9 OCT 2009

Date: 8/10/2009

Division of Epidemiology

[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.byrom@bbsrc.ac.uk)

Report no:	VNT				LPBE					
Field Isolate:	VNT	O Manisa	O Bfs	O Ind R2/75	ELISA	O 4174	O BFS 1860	K77/78	O 4625	O Manisa
O Hkn 1/2009	mean	0.24	0.08	0.46	mean	0.15	0.00	0.05	0.11	0.63
O Hkn 2/2009	mean	0.29	0.07	0.32	mean	0.15	0.00	0.09	0.11	0.44

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

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.