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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00054
Sender Details: [redacted]

Date Received: 4th December 2009
Country of Origin: Iran
Date Reported: 18th February 2010

Re: Serotype A results.

Resul [redacted]

Official Stamp: [redacted]

Date: 18/2/10

[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)

Report no:	2dmVNT							LPBE					
Vaccine: / Field Isolate:	2dmVNT	A22 Irq	A Tur06	A Sau 41/91	A Ind 17/82	A Irn87	A May 97	ELISA	A22 Irq 24/64	A Eritrea	A Irn 87	A Irn 99	A May 97
A Irn 50/2009	Mean	0.50	1.00	0.44	0.12	0.08	0.09	Mean	0.63	0.11	0.25	DNT	0.22
A Irn 73/2009	Mean	0.11	0.41	0.03	0.10	0.06	0.26	Mean	0.08	0.50	0.38	0.25	0.50

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.