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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00034
Sender Details: [redacted]
Date Received: 22nd June 2009
Country of Origin: Iran
Date Reported: 13th November 2009

Results [redacted]

Official Stamp: [redacted]

Date: 13/11/09

[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:		VNT								LPBE				
Vaccine: / Field Isolate:		A22 Irq	A Tur06	A Sau 41/91	A Ind 17/82	A Irn87	A Irn99	A May 97		A22 Irq 24/64	A Eri 98	A Irn 99	A May 97	A Irn 87
A Irn 39/2009	Mean	0.34	0.52	0.21	0.10	0.09	0.08	0.09	Mean	0.50	DNT	DNT	DNT	0.19
A Irn 44/2009	Mean	0.35	>0.72	0.30	0.11	0.07	0.09	0.09	Mean	0.25	DNT	DNT	DNT	0.09

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

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.