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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00034
Sender Details: [redacted]
Date Received: 25th October 2010
Country of Origin: Iran
Date Reported: 17th January 2011

Re.: Serotype A

Report no:		**VNT**					**LPBE**			
Vaccine: / Field Isolate:	VNT	A Ind 17/82	A Irn8 7	A Iran 2005	A22 Irq	A May9 7	LPBE	A22 Irq 24/64	A May 97	A Irn 99
A Irn 195/10	mean	0.15	0.06	0.65	0.58	0.13	mean	0.25	ND	DNT
A Irn 214/10	mean	0.10	0.06	0.14	0.19	0.10	mean	0.50	ND	DNT

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: 17/1/11

[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):

$r_1 = \geq 0.3$. 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.