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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00022

Sender Details:

[REDACTED]

Date Received: 30th April 2009

Country of Origin: Kenya

Date Reported: 25th September 2009

Results Approved By:

[REDACTED]

Official Stamp:

[REDACTED]

Date:

25/9/09

[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.byrom@bbsrc.ac.uk)

Report no:	VNT									LPBE					
	Field Isolate:	VNT	A22 Irq	A Tur06	A Sau 41/91	A Ind 17/82	A Irn87	A Irn99	A May97	A Eri 98	ELISA	A22 Irq 24/64	A Eri 98	A Irn 99	A May 97
A Ken 22/2009	Mean	0.06	0.07	0.05	0.19	0.34		0.15	0.09	Mean	0.05	0.19	0.59	0.63	0.15

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):

$r_1 = 0.4-1.0$. 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