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FAX TRANSMISSION

TO: [REDACTED] **FROM:** [REDACTED]
Head: WRL for FMD

DATE: 28.3.2006 **FAX NO:** [REDACTED]

PAGES: 2 **RE:** Test results

Dear [REDACTED]

Following our earlier report on strain differentiation results for serotype A FMD virus isolates received from Egypt on 19th February 2006, we have now tested those isolates against further vaccine strains and report our findings as follows.

The following r_1 values were recently obtained by ELISA and VNT at the WRL.

r_1 Values by ELISA				
Ref. No	A KEN 35/80	A IRN 87	A IRN 01	A SAU 95
A EGY 1/06	0.38	0.23	0.33	0.42*
A EGY 2/06	0.38	0.14	0.35	0.50*
r_1 Values by VNT				
A EGY 1/06	0.25	Not tested	0.28	0.32
A EGY 2/06	0.16	Not tested	0.24	0.30

* These results were shown in the earlier report.

Since the best results were obtained with SAU 95 by ELISA, tests are currently being undertaken using SAU 95 for VNT .

Interpretation of r_1 values

In the case of ELISA:

$r_1 = 0.4-1.0$. 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

In the case of neutralisation:

$r_1 = \geq 0.3$. 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.

Yours sincerely


Head: World Reference Laboratory for FMD

c.c.



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