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From: [REDACTED]
Date: 7.10.2008
Subject: Strain Differentiation Results
No. Of Pages: 2

FAX

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Thank you.

Dear [REDACTED]

Strain differentiation result for serotype SAT2 FMD virus isolate received from Botswana

The following r_1 values were recently obtained by ELISA (not by VNT as reported earlier in error) at the WRL.

r_1 Values by ELISA		
	Sat 2 K65/82	Sat 2 Nig 6/81
Sat2 BOT 11/08	0.26	0.17
Sat2 BOT 12/08	0.29	0.17

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The Institute is sponsored by the Biotechnology and Biological Sciences Research Council. An Associated Institute of the University of Reading.

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Yours sincerely

[REDACTED]
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Cc: [REDACTED]

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