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# FAX

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Thank you.

Dear Dr Thobokwe

Strain differentiation result for serotype SAT2 FMD virus isolate received from Namibia.

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


<b><math>r_1</math> Values by ELISA</b>				
	<b>Sat 2 K52/84</b>	<b>Sat 2 K65/82</b>	<b>Sat 2 Nig 6/81</b>	<b>Sat 2 Zim 11/89</b>
Sat2 NMB 2/08	0.22	0.43	0.14	0.61
Sat2 NMB 4/08	0.38	0.22	0.11	0.75

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Yours sincerely

  
**Head: World Reference Laboratory for FMD**

Cc: 

### **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