

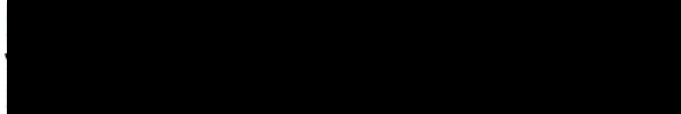


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## FMD Vaccine Matching Strain Differentiation Report

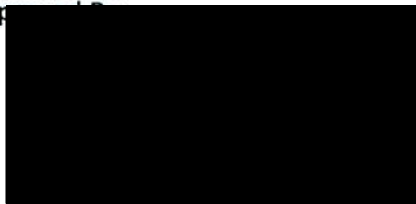
Lab Reference WRL Batch Number: WRLFMD/2009/00031

Sender Details:

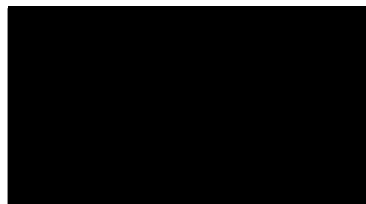


Date Received: 8<sup>th</sup> June 2009  
Country of Origin: Botswana  
Date Reported: 15<sup>th</sup> September 2009

Results App

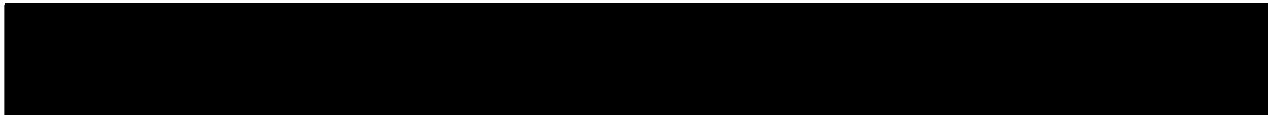


Official Stamp:



Date:

18/9/09



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](mailto:elizabeth.byrom@bbsrc.ac.uk))

Report no:	VNT			LPBE		
Field Isolate:	VNT	Sat2 Eri		Sat2 Zim	ELISA	Sat2 K65/82
	test ref:	VL pool	VL97	VP pool	test ref:	
Sat2 Bot 2/2009	mean	0.23	0.32	0.09	mean	0.06
Sat2 Bot 4/2009	mean	0.32	0.40	0.07	mean	0.07

### **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.