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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00039
Sender Details: [redacted]

Date Received: 9th November 2010
Country of Origin: Zimbabwe
Date Reported: 17th January 2011

Report no:	VNT			LPBE					
Vaccine: / Field Isolate:	VNT	Sat2 Eri	Sat2 Zim	LPBE	Sat2 Bot 3/77	Sat2 Eri	Sat2 K65/85	Sat2 Zam 3/81	Sat2 Zim 7/83
Sat2 Zim 2/2010	Mean	>0.77	>0.70	Mean	0.32**	0.50	0.42	0.69	0.42

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: 17/1/11

[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.wilson@bbsrc.ac.uk)

Interpretation of Results

In the case of Virus Neutralisation Test (VNT):

r_1 = ≥ 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.
ND = Not done.

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.
DNT = Did not trap.
ND = Not done.