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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00008
Sender Details: [redacted]

Date Received: 20th February 2010
Country of Origin: Ethiopia
Date Reported: 16th November 2010

Report no:	VNT			LPBE						
Vaccine: / Field Isolate:	VNT	Sat 2 Eri	Sat2 Zim	LPBE	Sat2 Bot 3/77	Sat 2 Eri	Sat2 Zim 11/89	Sat2 K65/8 2	Sat2 Zam 3/81	Sat2 Zim 7/83
Sat2 Eth 74/2009	Mean	0.62	0.24	Mean	0.13	0.22	DNT	0.29	DNT	0.13
Sat2 Eth 75/2009	Mean	0.30	0.15	Mean	0.21	0.13	0.02	0.31	0.06	0.06
Sat2 Eth 2/2010	Mean	0.61	0.26	Mean	0.09	0.32	DNT	0.32	DNT	DNT

Results Approved By: [redacted]

Official Stamp: [redacted]

Date: 16/11/10

[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):

$r_1 = \geq 0.3$. 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.
ND = Not done.

In the case of Liquid Phase Blocking Elisa (LPBE):

$r_1 = 0.4\text{-}1.0$. 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.
$r_1 = 0.2\text{-}0.39$, 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.