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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2010/00008

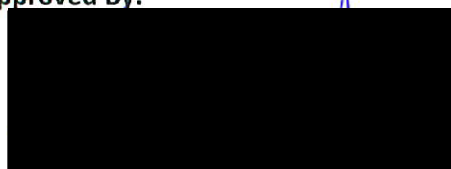
Sender Details:



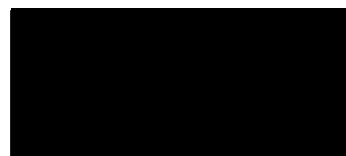
Date Received: 20th February 2010
Country of Origin: Ethiopia
Date Reported: 16th November 2010

Report no:	VNT			LPBE						
Vaccine:		Sat 2	Sat2		Sat2	Sat 2	Sat2	Sat2	Sat2	Sat2
Field Isolate:	VNT	Eri	Zim	LPBE	3/77	Eri	11/89	K65/8 2	Zam 3/81	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:



Official Stamp:



Date:

16/11/10

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):

$r_1 = 0.4-1.0$. 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.