WRLFMD

FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00043

Sender Details:

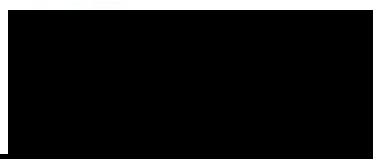**Date Received:** 3rd September 2009

Country of Origin: Ethiopia

Date Reported: 30th November 2009

Report no:	VNT			LPBE					
Vaccine: Field Isolate:	VNT	Sat2 Eri	Sat2 Zim	ELISA	Sat2 Zim 7/83	Sat2 Zam 3/81	Sat2 Zim 11/89	Sat2 Bot 3/77	Sat2 Eritrea (Rea)
Sat2 Eth 42/2009 SAU Isolate ref: B419.09*	Mean	ND	ND	Mean	DNT	DNT	ND	DNT	0.32
Sat2 Eth 42/2009 SAU Isolate ref: B459.09*	Mean	0.61	0.35	Mean	0.21	0.08	0.13	0.11	≥0.88
Sat2 Eth 48/2009 SAU Isolate ref: B461/09*	Mean	0.53	0.32	Mean	0.21	ND	0.31	0.13	0.88

Results Appro

Official Stamp:

Date: 1|12|09

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.

*SAU Isolate ref = WRLFMD Internal reference number.