



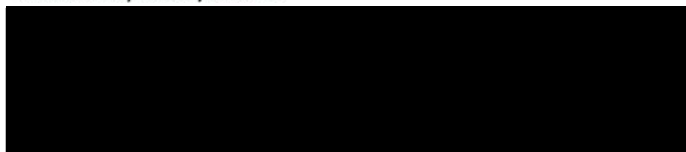
WRLFMD

INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W. Shirley, PhD
PIRBRIGHT LABORATORY
Ash Road,
Pirbright,
Surrey,
GU24 0NF
Intn Tel: 00 44 1483 232441
Tel: 01483 232441 Fax: 01483 232621

FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00021

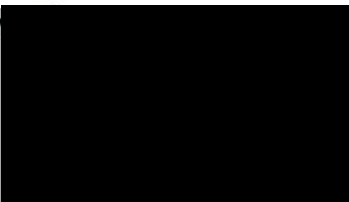
Sender Details:



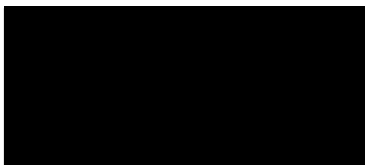
Date Received: 1st May 2009
Country of Origin: Bahrain
Date Reported: 14th August 2009

Report no:	VNT				ELISA	
Field Isolate:		Asia1 Sham	Asia1 Ind	WBN 117/85		Asia 1 Wbn 117/85
Asia1 Bar 8/2009	mn83/09	0.59	0.12	ref vt fail	SD 67/09	Fail
	mn85/09	>1.0	0.20		SD 68/09	0.25
	mn90/09		0.11		SD 70/09	Fail
	mn116/09			0.08	SD 71/09	Fail
	mn117/09			0.15	SD 74/09	0.25
	mn126/09			0.10		
	mean	0.80	0.14	0.11	Mean	0.25
Asia1 Bar 9/2009	mn83/09	0.55	0.14	ref vt fail	SD 67/09	Fail
	mn85/09	>1.0	0.15		SD 68/09	0.33
	mn90/09		0.06		SD 70/09	Fail
	mn116/09			0.06	SD 71/09	Fail
	mn117/09			0.10	SD 74/09	0.33
	mn126/09			0.08		
	mean	0.78	0.12	0.08	Mean	0.33

Results Appro



Official Stamp:



Date: 14/08/09



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)

Interpretation of Results

In the case of 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 ELISA:

$r_1 = 0.4-1.0$. 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