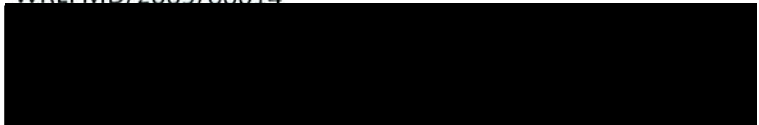


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## FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00014

Sender Details:

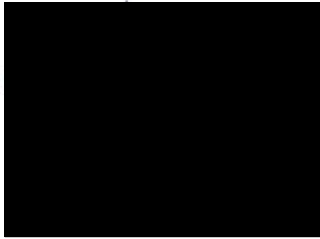


Date Received: 27<sup>th</sup> March 2009

Country of Origin: Pakistan

Date Reported: 3<sup>rd</sup> August 2009

Results Approved



Official Stamp:



Date: 03/08/09



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](mailto:elizabeth.byrom@bbsrc.ac.uk))

Report no:	VNT					ELISA				
Field Isolate:	VNT test ref:	A22 Irq	A Tur06	A Ind 17/82	A Sau 41/91	ELISA test ref:	A22 Irq 24/64	A Sau 95	A Irn 99	A May 97
A Pak 13/2008	mn84/09	0.49				SD 67/09	Fail	0.08	DNT	0.38
	mn86/09	0.41	>1.0		0.36	SD 68/09	0.25	0.13		0.38
	mn87/09		>1.0		0.47	SD 70/09	0.33	0.06		0.25
	mn92/09			0.08						
	mn93/09			0.08						
	Mean	0.45	>1.0	0.08	0.42	Mean	0.29	0.09		0.34
A Pak 2/2009	mn84/09	0.56				SD 67/09	0.25	0.08	DNT	0.25
	mn86/09	0.70	>1.0		>1.0	SD 68/09	0.06	0.13		0.25
	mn87/09		>1.0		>1.0	SD 70/09	0.50	0.06		0.19
	mn92/09			0.08						
	mn93/09			0.07						
	Mean	0.63	>1.0	0.08	>1.0	Mean	0.27	0.09		0.23
A Pak 4/2009	mn84/09	0.09				SD 67/09	0.06	DNT	0.19	0.67
	mn86/09	0.09	0.49		0.08	SD 68/09	0.04		0.17	0.50
	mn87/09		0.43		0.07	SD 70/09	0.06		0.13	0.50
	mn92/09			0.32						
	mn93/09			0.37						
	Mean	0.09	0.46	0.35	0.08	Mean	0.05		0.16	0.56

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