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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number: WRLFMD/2009/00029

Sender Details:

Date Received: 2nd June 2009
Country of Origin: Israel
Date Reported: 27th August 2009

Results A

Official Stamp:

Date:

28/08/09

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)

Date Reported: 27th August 09		FMDV Strain Differentiation r1 Values - Type A										
"r1" Report no:	23/09	A22 Irq		A Irn87		A Eri 98		A May97		A Tur 06	A Ind 17/82	A Sau 41/91
Field Isolate:	SAU	2dmVNT	LPBE	2dmVNT	LPBE	2dmVNT	LPBE	2dmVNT	LPBE	2dmVNT	2dmVNT	2dmVNT
A Isr 2/2009	B299/09	0.28	0.36	0.12	0.14	0.08	0.05	0.05	0.42	0.86	0.28	0.51
A Isr 18/2009	B300/09	0.23	0.32	0.11	0.14	0.08	N/A	0.07	0.50	>1.0	0.31	0.60

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