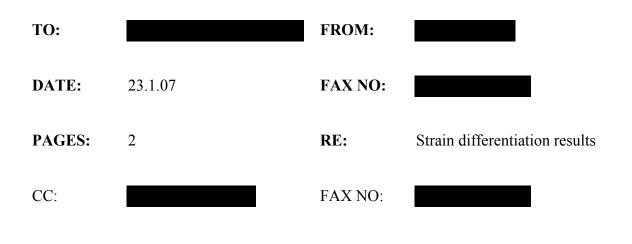


Acting Head of Laboratory: Dr J Anderson MBE PIRBRIGHT LABORATORY Ash Road, Pirbright Surrey GU24 0NF Tel: Worplesdon 01483 232441 Fax: 01483 232448 http://www.iah.bbsrc.ac.uk

FAX TRANSMISSION



Strain differentiation results for Jordan type A FMD virus isolates received on 19th December 2006.

The following r_1 values were recently obtained by neutralisation test at the FAO World Reference Laboratory for FMD.

	r ₁ Values by neutralisation test against vaccine strains below						
WRL Ref Number	A22	A Eritrea	May 97	Sau 95			
A JOR 3/2006	0.44	0.19	0.28	0.21			
A JOR 4/2006	0.59	0.17	0.22	0.16			

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Compton Laboratory Compton, Nr.Newbury Berkshire RG20 7NN tel: 01635 578411 fax: 01635 577237 Pirbright Laboratory Ash Road, Pirbright Surrey GU24 0NF tel: 01483 232441 fax: 01483 232448 BBSRC/MRC Neuropathogenesis Unit Ogston Building, West Mains Road Edinburgh EH9 3JF tel: 0131 667 5204 fax: 0131 668 3872 The following r_1 values were obtained by ELISA at the FAO World Reference Laboratory for FMD.

	r ₁ Values by ELISA						
WRL Ref Number	A22	Irn 87	A K35/80	May 97	Sau 95		
A JOR 3/2006	0.52	0.12	0.23	0.32	0.32		
A JOR 4/2006	0.44	0.09	0.19	0.19	0.18		

Interpretation of r₁ values

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

In the case of neutralisation:

 $r_1 = \ge 0.3$. 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.

Yours sincerely

Head: World Reference Laboratory for FMD

Cc: