INSTITUTE FOR ANIMAL HEALTH
Director: Professor Martin W Shirley, PhD

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

TO: [redacted] **FROM:** [redacted]

DATE: 22.12.2006 **FAX NO:** [redacted]

PAGES: 2 **RE:** Test Results

Dear [redacted]

The following r_1 values were obtained by ELISA and neutralisation tests at the FAO World Reference Laboratory for FMD.

Yours sincerely

[redacted]
Head: World Reference Laboratory for FMD
Cc [redacted]

	r_1 values by ELISA				
WRL Ref Number	**MAY 97**	**A22**	**IRN 87**	**IRn 2001**	**KEN 35/80**
MAU 1/06	0.14	0.03	0.09	0.13	0.53
MAU 3/06	0.15	0.03	0.06	0.13	0.61

	r_1 values by neutralisation test against vaccine strains below	
WRL Ref Number	**A22**	**A Eritrea**
MAU 1/06	0.23	0.21
MAU 3/06	0.19	0.15

Interpretation of r_1 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 = $\geq$ 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.