



# INSTITUTE FOR ANIMAL HEALTH

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## FAX TRANSMISSION

**Please reply to Fax No: +44 (0) 1483 232621**

**TO:**

[REDACTED]

**FROM:**

[REDACTED]

**DATE:**

4.12.2006

**FAX**

[REDACTED]

**PAGES:**

2

**RE:**

Strain differentiation  
results

Dear [REDACTED]

Strain differentiation results for Iran type A FMD virus isolates received in batches of samples on 22nd May 2006.

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

Yours sincerely

[REDACTED]  
**Head: World Reference Laboratory for FMD**

Cc [REDACTED]

## Iran type A FMD virus isolates received in batches of samples on 22<sup>nd</sup> May 2006

	<b>r<sub>1</sub> Values by ELISA</b>		
<b>WRL Ref Number</b>	<b>A22</b>	<b>A5925</b>	<b>IRN 87</b>
A IRN 5/06	<b>0.50</b>	0.09	0.06
A IRN 7/06	<b>0.50</b>	0.20	0.03

### 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