

INSTITUTE FOR ANIMAL HEALTH

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FMD Vaccine Matching Strain Differentiation Report

Lab Reference WRL Batch Number:

Sender Details:

WRLFMD/2009/00029

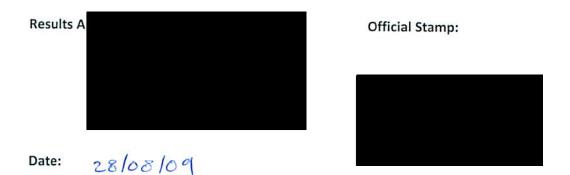
Date Received:

Country of Origin: Date Reported:

2nd June 2009

Israel

27th August 2009



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 09 | n August | | | | FMD | V Strain D | ifferent | iation r1 V | /alues - | 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:

 $r_1 = \ge 0.3$. 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

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