

**Report from the Molecular Epidemiology Section of the Experimental Epidemiology Group to the
Head of the World Reference Laboratory for FMD (QAU Form 205)**

Virus isolate: BKF/1/2002		Date: 11/11/2002					
Serotype: O		Reported by: N.J. Knowles					
Seq. filename: BKF02-01		Signed (file copy only):					
Topotype: West Africa (WA)							
Genotype/strain:		No. of ambiguities: 0					
Region sequenced: VP1		Date seq. last updated: 01/11/2002					
No. of nt determined / no. in gene: 639 / 639		Total no. of comparisons made: 1204					
Comments:							
Ten Most Closely Related Viruses							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O/CIV/8/99	CIV99-08	639	615	0	96.24	3.76
2	O/MOR/2/99	MOR99-02	333	319	3	95.80	4.20
3	O/GNA/10/99	GNA99-10	443	423	13	95.49	4.51
4	O/ALG/2/99	ALG99-02	583	555	11	95.20	4.80
5	O/GNA/6/99	GNA99-06	328	312	7	95.12	4.88
6	O/ALG/1/99	ALG99-01	630	599	9	95.08	4.92
7	O/ALG/3/99	ALG99-03	257	244	4	94.94	5.06
8	O/MOR/11/99	MOR99-11	264	249	5	94.32	5.68
9	O/TUN/5/99	TUN99-05	262	246	11	93.89	6.11
10	O/TUN/1/99	TUN99-01	264	247	3	93.56	6.44
Relationships to Reference Virus Strains							
Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	O1/Manisa/TUR/69	TUR69--E	639	527	0	82.47	17.53
2	O/IND/53/79 (1977)	IND79-53	164	135	1	82.32	17.68
3	O/IND/R2/75*	IND75--A	639	526	0	82.32	17.68
4	O/TAW/2/99	TAW99-02	639	525	0	82.16	17.84
5	O/ISR/1/88	ISR88-01	193	156	5	80.83	19.17
6	O/MOR/1/91	MOR91-01	207	167	3	80.68	19.32
7	O1/BFS 1860/UK/67	UKG67--A	639	505	0	79.03	20.97
8	O/TAI/189/87*	TAI87--B	527	416	3	78.94	21.06
9	O/HKN/6/83	HKN83-06	637	499	2	78.34	21.66
10	O/PHI/5/95	PHI95-05	516	400	6	77.52	22.48
nt, nucleotides							
*, not a WRLFMD reference number							

cc. Head of Experimental Epidemiology Group
cc. Head of Vesicular Diseases Group