

SUMMARY OF PROBABLE BLOOD GROUPS

A (simulated) blood typing test for parentage analysis in cattle.

Case No. _____

Date of Test 30 Apr 91

Name & Reg. No.	B	C	F-V	Z	S	A	L	J	M	N	R'-S'	Other
Typical S ₁	O ₁ possesses factor M lacking in the dam, D ₁ , and, therefore, contributed by the sire. S ₂ lacks M and is excluded as the sire of O ₁ by this dam. S ₁ possesses V and M and qualifies as the sire.		F/V	-/-			-/-	J	M			
S ₂			V/V	-/-			L	J	-/-			
D ₁			F/V	-/-			L	J	-/-			
O ₁			V/V	-/-			-/-	J	M			
Rare type problems												
S ₃	The calf has a double dose (is homozygous) of F. The putative dam lacks F and, therefore, is unilaterally excluded (regardless of the sire).		F/F	-/-			L	-/-	-/-			
S ₄			F/V	Z			-/-	J	-/-			
D ₂			V/V	-/-			-/-	-/-	M			
O ₂			F/F	Z			L	J	-/-			
S ₅	O ₃ possesses F, Z and L which must have been contributed by the sire if D ₃ is the mother. Both bulls lack Z and, therefore, are excluded as a parent of O ₃ by D ₃ .		F/F	-/-			L	-/-	M			
S ₆			F/F	-/-			-/-	-/-	-/-			
D ₃			F/V	-/-			-/-	-/-	-/-			
O ₃			F/F	Z			L	-/-	-/-			
S ₇	O ₄ possesses F and Z which are lacking in D ₄ and, therefore, were contributed by the sire if D ₄ is the dam. Both S ₇ and S ₈ possess F and Z and, therefore, both qualify as the sire.		F/V	Z			L	-/-	-/-			
S ₈			F/F	Z			L	-/-	-/-			
D ₄			F/F	-/-			-/-	J	M			
O ₄			F/F	Z			-/-	-/-	M			