

Case Study 1

		Rh						MNSs				Kell		Duffy		Kidd		Results	
		D	C	C ^w	E	c	e	M	N	S	s	K	k	Fy ^a	Fy ^b	Jk ^a	Jk ^b	5' RT	IAT
1	R1R1w	+	+	+	0	0	+	+	+	0	+	+	+	+	0	0	+	0	4+
2	R1R1	+	+	0	0	0	+	+	0	0	+	0	+	+	+	+	+	0	2+
3	R2R2	+	0	0	+	+	0	+	0	0	+	0	+	0	+	0	+	0	2+
4	Ror	+	0	0	0	+	+	+	+	+	0	0	+	0	0	+	0	0	1+
5	r'r	0	+	0	0	+	+	0	+	0	+	0	+	+	0	+	0	0	(+)
6	r''r	0	0	0	+	+	+	0	+	0	+	0	+	0	+	0	+	0	2+
7	rr	0	0	0	0	+	+	0	+	+	+	+	+	0	+	+	0	0	4+
8	rr	0	0	0	0	+	+	+	0	+	0	0	+	+	+	+	+	0	2+
9	rr	0	0	0	0	+	+	0	+	0	+	0	+	+	0	+	+	0	1+
10	rr	0	0	0	0	+	+	0	+	+	0	0	+	0	+	+	+	0	2+
11	R1R1	+	+	0	0	0	+	+	0	+	0	0	+	0	+	+	0	0	2+
12	Auto																	0	(0)✓

Antigen typing of patient cells:

	E	c	C	e	K	Fy ^a	Fy ^b	Jk ^a	Jk ^b	S	s
Pos. Control	4+	4+	4+	4+	3+	3+	3+	3+	3+	4+	4+
Neg. Control	0	0	0	0	0	0✓	0	0	0	0	0✓
Unseparated	1+ ^{mf}	1+ ^{mf}	4+	4+	0	3+	0	3+	1+ ^{mf}	4+	4+
Retics	0	0	4+	4+	0	3+	0	3+	0	4+	4+

Testing antigen-matched cells:

		Rh						MNSs				Kell		Duffy		Kidd		Results	
		D	C	C ^w	E	c	e	M	N	S	s	K	k	Fy ^a	Fy ^b	Jk ^a	Jk ^b	PEG IAT	
1	R1R1	+	+	0	0	0	+	+	+	0	+	0	+	+	0	+	0	(0)✓	
2	R1R1	+	+	0	0	0	+	+	0	0	+	0	+	+	0	+	0	(0)✓	
3	R1R1	+	+	0	0	0	+	0	+	0	+	0	+	+	0	+	0	(0)✓	

Selected cell panel:

		Rh						MNSs				Kell		Duffy		Kidd		Results	
		D	C	C ^w	E	c	e	M	N	S	s	K	k	Fy ^a	Fy ^b	Jk ^a	Jk ^b	5' RT	IAT
1	RzRz	+	+	0	+	0	0	+	0	0	+	0	+	+	0	+	0	0	(0)✓
2	RzRz	+	+	0	+	0	0	+	0	+	0	0	+	+	0	+	0	0	(0)✓
3	rr	0	0	0	0	+	+	+	0	0	+	0	+	0	0	+	0	0	1+
4	Ror	+	0	0	0	+	+	+	+	+	0	0	+	+	0	+	0	0	1+
5	R1R1	+	+	0	0	0	+	0	+	0	+	+	+	+	0	+	0	0	4+
6	R1R1	+	+	0	0	0	+	0	+	0	+	+	0	+	0	+	0	0	4+
7	R1R1	+	+	0	0	0	+	0	+	+	+	0	+	0	+	+	0	0	2+
8	R1R1	+	+	0	0	0	+	+	0	+	0	0	+	0	+	+	0	0	2+
9	R1R1	+	+	0	0	0	+	0	+	0	+	0	+	+	0	0	+	0	(0)✓
10	R1R1	+	+	0	0	0	+	0	+	+	0	0	+	+	0	0	+	0	(0)✓

Practice ruling out with ficin-treated cells:

		Rh						MNSs				Kell		Duffy		Kidd		Results
		D	C	C ^w	E	c	e	M	N	S	s	K	k	Fy ^a	Fy ^b	Jk ^a	Jk ^b	IAT
1	R1R1w	+	+	+	0	0	+	+	+	0	+	+	+	+	0	0	+	3+
2	R1R1	+	+	0	0	0	+	+	0	0	+	0	+	+	+	+	+	3+
3	R2R2	+	0	0	+	+	0	+	0	0	+	0	+	0	+	0	+	3+
4	Ror	+	0	0	0	+	+	+	+	+	0	0	+	0	0	+	0	(0)✓
5	r'r	0	+	0	0	+	+	0	+	0	+	0	+	+	0	+	0	(0)✓
6	r''r	0	0	0	+	+	+	0	+	0	+	0	+	0	+	0	+	3+
7	rr	0	0	0	0	+	+	0	+	+	+	+	+	0	+	+	0	(0)✓
8	rr	0	0	0	0	+	+	+	0	+	0	0	+	+	+	+	+	3+
9	rr	0	0	0	0	+	+	0	+	0	+	0	+	+	0	+	+	3+
10	rr	0	0	0	0	+	+	0	+	+	0	0	+	0	+	+	+	3+
11	R1R1	+	+	0	0	0	+	+	0	+	0	0	+	0	+	+	0	(0)✓
12	Auto																	