

FEATURED CASE #19-03

Rh Phenotype

	Rh system				Kell				Kidd		Duffy		Lewis		MNSs								
	C	E	c	e	K	k	Kp ^a	Js ^a	Fy ^a	Fy ^b	Jk ^a	Jk ^b	Le ^a	Le ^b	S	s	M	N	P1	I	H	A ₁	
Patient	+	0	+																				

Question

1. What do you think might be going on here? Based on your hypothesis(es) how might we proceed?

Selected 3% panel cells resuspended to 0.8% in “MTS diluent 2™” tested by gel technique

		Rh system						Kell						Duffy		Kidd	Xg	Lewis			MNSs				P	Lutheran		Other Typings	Gel	
Cell	Rh	D	C	E	c	e	V	K	k	Kp ^a	Kp ^b	Js ^a	Js ^b	Fy ^a	Fy ^b	Jk ^a	Jk ^b	Xg ^a	Le ^a	Le ^b	S	s	M	N	P1	Lu ^a	Lu ^b			
1	R1R1	+	+	0	0	+	0	+	+	0	+	/	+	+	+	+	+	0	+	0	+	+	+	+	0	+s	0	+		0
2	R2R2	+	0	+	+	0	0	0	+	0	+	0	+	0	+	0	+	+	0	+	+	+	+	+	+	0	0	+		0
3	rr	0	0	0	+	+	0	+	+	0	+	0	+	0	+	0	+	+	0	+	0	+	0	+	+s	0	+		0	
4	rr	0	0	0	+	+	0	0	+	0	+	0	+	0	+	0	+	0	0	0	+	0	+	+	+	0	+		0	

Antibody screen using PEG/tube technique

		Rh system						Kell						Duffy		Kidd	Xg	Lewis			MNSs				P	Lutheran		Other Typings	AHG
Cell	Rh	D	C	E	c	e	V	K	k	Kp ^a	Kp ^b	Js ^a	Js ^b	Fy ^a	Fy ^b	Jk ^a	Jk ^b	Xg ^a	Le ^a	Le ^b	S	s	M	N	P1	Lu ^a	Lu ^b		
1	R1R1	+	+	0	0	+	0	+	+	0	+	/	+	0	+	+	+	0	+	0	0	+	+	0	+	0	0	+	0 ^v
2	R2R2	+	0	+	+	0	0	0	+	0	+	/	+	+	0	+	0	+	0	+	+	+	+	+	+	+	0	+	0 ^v

Question

2. What is your impression from these findings? Is any further workup needed?