

## EQA round: IH3/24 - Blood Group Serology

Deadline: 27.9.2024

Setup: groups - M (measurement principle)

AV = assigned value	N <sub>tot</sub> = total number of the results	N <sub>eva</sub> = number of the results assessed
RV = reference value	N <sub>rel</sub> = relative number of the results	N <sub>suc</sub> = number of successful results
>>> ... expected result		S <sub>rel</sub> = relative success
> ... acceptable result		
± ... result not assessed		

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>Set 1 and 2</b>							
(700) <b>ABO blood group</b>		164			164	164	100
<b>Samples E1 and S1</b>		164			164	164	100
(1) Tube test	RV >>>	39	24	Blood group: B			
(2) Microplate - aut.	RV >>>	9	5,5	Blood group: B			
(3) Microplate - man.	RV >>>	4	2,4	Blood group: B			
(6) Microplate - without centrifug.	RV >>>	1	0,6	Blood group: B			
(7) Column agglutination - automat	RV >>>	50	30	Blood group: B			
(9) Column agglutination - manual	RV >>>	60	37	Blood group: B			
(10) Solid phase	RV >>>	1	0,6	Blood group: B			
<b>Samples E2 and S2</b>		164			164	164	100
(1) Tube test	RV >>>	39	24	Blood group: A			
(2) Microplate - aut.	RV >>>	9	5,5	Blood group: A			
(3) Microplate - man.	RV >>>	4	2,4	Blood group: A			
(6) Microplate - without centrifug.	RV >>>	1	0,6	Blood group: A			
(7) Column agglutination - automat	RV >>>	50	30	Blood group: A			
(9) Column agglutination - manual	RV >>>	60	37	Blood group: A			
(10) Solid phase	RV >>>	1	0,6	Blood group: A			
(703) <b>A subgroup</b>		39			39	39	100
<b>Samples E1 and S1</b>		39			39	39	100
(0) Not specified	RV >>>	39	100	Not specified			
<b>Samples E2 and S2</b>		39			39	39	100
(0) Not specified	RV >>>	39	100	A subgroup A1			
(705) <b>Rh D antigen (blood-donor)</b>		95			95	93	98
<b>Samples E1 and S1</b>		95			95	93	98
(0) Not specified		1	1,1	Not specified			
	RV >>>	1	1,1	Negative (RhD-)			
(1) Tube test	RV >>>	25	26	Negative (RhD-)			
(2) Microplate - aut.	RV >>>	8	8,4	Negative (RhD-)			
(3) Microplate - man.		1	1,1	w/v (RhD weak/variant)			
(7) Column agglutination - automat	RV >>>	31	33	Negative (RhD-)			
(9) Column agglutination - manual	RV >>>	27	28	Negative (RhD-)			
(10) Solid phase	RV >>>	1	1,1	Negative (RhD-)			
<b>Samples E2 and S2</b>		95			95	95	100
(0) Not specified	RV >>>	2	2,1	Positive (RhD+)			
(1) Tube test	RV >>>	25	26	Positive (RhD+)			
(2) Microplate - aut.	RV >>>	8	8,4	Positive (RhD+)			
(3) Microplate - man.	RV >>>	1	1,1	Positive (RhD+)			
(7) Column agglutination - automat	RV >>>	31	33	Positive (RhD+)			
(9) Column agglutination - manual	RV >>>	27	28	Positive (RhD+)			
(10) Solid phase	RV >>>	1	1,1	Positive (RhD+)			
(709) <b>Rh D antigen (recipient/ pregnant/ newborn)</b>		153			153	152	99
<b>Samples E1 and S1</b>		153			153	152	99
(1) Tube test	RV >>>	43	28	Negative (RhD-)			
		1	0,7	w/v (RhD weak/variant)			
(2) Microplate - aut.	RV >>>	6	3,9	Negative (RhD-)			
(3) Microplate - man.	RV >>>	2	1,3	Negative (RhD-)			
(7) Column agglutination - automat	RV >>>	44	29	Negative (RhD-)			
(9) Column agglutination - manual	RV >>>	56	37	Negative (RhD-)			
(10) Solid phase	RV >>>	1	0,7	Negative (RhD-)			
<b>Samples E2 and S2</b>		153			153	153	100
(1) Tube test	RV >>>	44	29	Positive (RhD+)			
(2) Microplate - aut.	RV >>>	6	3,9	Positive (RhD+)			
(3) Microplate - man.	RV >>>	2	1,3	Positive (RhD+)			
(7) Column agglutination - automat	RV >>>	44	29	Positive (RhD+)			
(9) Column agglutination - manual	RV >>>	56	37	Positive (RhD+)			
(10) Solid phase	RV >>>	1	0,7	Positive (RhD+)			
(715) <b>Antigen C</b>		85			85	84	99
<b>Samples E1 and S1</b>		85			85	85	100
(1) Tube test	RV >>>	12	14	Negative			
(2) Microplate - aut.	RV >>>	5	5,9	Negative			
(7) Column agglutination - automat	RV >>>	25	29	Negative			
(9) Column agglutination - manual	RV >>>	42	49	Negative			

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Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(10) Solid phase	RV >>>	1	1,2	Negative				
<b>Samples E2 and S2</b>		85			85	84	99	
(1) Tube test		1	1,2	Negative				
	RV >>>	11	13	Positive				
(2) Microplate - aut.	RV >>>	5	5,9	Positive				
(7) Column agglutination - automat	RV >>>	25	29	Positive				
(9) Column agglutination - manual	RV >>>	42	49	Positive				
(10) Solid phase	RV >>>	1	1,2	Positive				
<b>(716) Antigen c</b>		85			85	84	99	
<b>Samples E1 and S1</b>		85			85	85	100	
(1) Tube test	RV >>>	11	13	Positive				
(2) Microplate - aut.	RV >>>	5	5,9	Positive				
(7) Column agglutination - automat	RV >>>	24	28	Positive				
(9) Column agglutination - manual	RV >>>	44	52	Positive				
(10) Solid phase	RV >>>	1	1,2	Positive				
<b>Samples E2 and S2</b>		85			85	84	99	
(1) Tube test	RV >>>	10	12	Negative				
		1	1,2	Positive				
(2) Microplate - aut.	RV >>>	5	5,9	Negative				
(7) Column agglutination - automat	RV >>>	24	28	Negative				
(9) Column agglutination - manual	RV >>>	44	52	Negative				
(10) Solid phase	RV >>>	1	1,2	Negative				
<b>(718) Antigen E</b>		86			86	86	100	
<b>Samples E1 and S1</b>		86			86	86	100	
(1) Tube test	RV >>>	12	14	Negative				
(2) Microplate - aut.	RV >>>	5	5,8	Negative				
(7) Column agglutination - automat	RV >>>	24	28	Negative				
(9) Column agglutination - manual	RV >>>	44	51	Negative				
(10) Solid phase	RV >>>	1	1,2	Negative				
<b>Samples E2 and S2</b>		86			86	86	100	
(1) Tube test	RV >>>	12	14	Negative				
(2) Microplate - aut.	RV >>>	5	5,8	Negative				
(7) Column agglutination - automat	RV >>>	24	28	Negative				
(9) Column agglutination - manual	RV >>>	44	51	Negative				
(10) Solid phase	RV >>>	1	1,2	Negative				
<b>(719) Antigen e</b>		85			85	85	100	
<b>Samples E1 and S1</b>		85			85	85	100	
(1) Tube test	RV >>>	11	13	Positive				
(2) Microplate - aut.	RV >>>	5	5,9	Positive				
(7) Column agglutination - automat	RV >>>	24	28	Positive				
(9) Column agglutination - manual	RV >>>	44	52	Positive				
(10) Solid phase	RV >>>	1	1,2	Positive				
<b>Samples E2 and S2</b>		85			85	85	100	
(1) Tube test	RV >>>	11	13	Positive				
(2) Microplate - aut.	RV >>>	5	5,9	Positive				
(7) Column agglutination - automat	RV >>>	24	28	Positive				
(9) Column agglutination - manual	RV >>>	44	52	Positive				
(10) Solid phase	RV >>>	1	1,2	Positive				
<b>(717) Antigen C<sup>w</sup></b>		73			73	73	100	
<b>Samples E1 and S1</b>		73			73	73	100	
(1) Tube test	RV >>>	12	16	Negative				
(2) Microplate - aut.	RV >>>	5	6,8	Negative				
(7) Column agglutination - automat	RV >>>	21	29	Negative				
(9) Column agglutination - manual	RV >>>	35	48	Negative				
<b>Samples E2 and S2</b>		73			73	73	100	
(1) Tube test	RV >>>	12	16	Negative				
(2) Microplate - aut.	RV >>>	5	6,8	Negative				
(7) Column agglutination - automat	RV >>>	21	29	Negative				
(9) Column agglutination - manual	RV >>>	35	48	Negative				
<b>(720) Antigen K</b>		92			92	92	100	
<b>Samples E1 and S1</b>		92			92	92	100	
(1) Tube test	RV >>>	13	14	Negative				
(2) Microplate - aut.	RV >>>	5	5,4	Negative				
(5) Microplate reagent kit - man.	RV >>>	1	1,1	Negative				
(7) Column agglutination - automat	RV >>>	27	29	Negative				
(9) Column agglutination - manual	RV >>>	45	49	Negative				
(10) Solid phase	RV >>>	1	1,1	Negative				
<b>Samples E2 and S2</b>		92			92	92	100	
(1) Tube test	RV >>>	13	14	Negative				

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(2) Microplate - aut.	RV >>>	5	5,4	Negative				
(5) Microplate reagent kit - man.	RV >>>	1	1,1	Negative				
(7) Column agglutination - automat	RV >>>	27	29	Negative				
(9) Column agglutination - manual	RV >>>	45	49	Negative				
(10) Solid phase	RV >>>	1	1,1	Negative				
<b>(721) Antigen k</b>		40			40	40	100	
<b>Samples E1 and S1</b>		40			40	40	100	
(1) Tube test	RV >>>	19	48	Positive				
(2) Microplate - aut.	RV >>>	1	2,5	Positive				
(9) Column agglutination - manual	RV >>>	16	40	Positive				
(10) Solid phase	RV >>>	4	10	Positive				
<b>Samples E2 and S2</b>		40			40	40	100	
(1) Tube test	RV >>>	19	48	Positive				
(2) Microplate - aut.	RV >>>	1	2,5	Positive				
(9) Column agglutination - manual	RV >>>	16	40	Positive				
(10) Solid phase	RV >>>	4	10	Positive				
<b>(738) Antigen Kp<sup>a</sup></b>		20			20	20	100	
<b>Samples E1 and S1</b>		20			20	20	100	
(1) Tube test	RV >>>	8	40	Negative				
(9) Column agglutination - manual	RV >>>	12	60	Negative				
<b>Samples E2 and S2</b>		20			20	20	100	
(1) Tube test	RV >>>	8	40	Negative				
(9) Column agglutination - manual	RV >>>	12	60	Negative				
<b>(739) Antigen Kp<sup>b</sup></b>		12			12	12	100	
<b>Samples E1 and S1</b>		12			12	12	100	
(1) Tube test	RV >>>	6	50	Positive				
(9) Column agglutination - manual	RV >>>	6	50	Positive				
<b>Samples E2 and S2</b>		12			12	12	100	
(1) Tube test	RV >>>	6	50	Positive				
(9) Column agglutination - manual	RV >>>	6	50	Positive				
<b>(729) Antigen Jk<sup>a</sup></b>		43			43	43	100	
<b>Samples E1 and S1</b>		43			43	43	100	
(1) Tube test	RV >>>	14	33	Positive				
(2) Microplate - aut.	RV >>>	3	7	Positive				
(7) Column agglutination - automat	RV >>>	3	7	Positive				
(9) Column agglutination - manual	RV >>>	23	53	Positive				
<b>Samples E2 and S2</b>		43			43	43	100	
(1) Tube test	RV >>>	14	33	Positive				
(2) Microplate - aut.	RV >>>	3	7	Positive				
(7) Column agglutination - automat	RV >>>	3	7	Positive				
(9) Column agglutination - manual	RV >>>	23	53	Positive				
<b>(730) Antigen Jk<sup>b</sup></b>		43			43	43	100	
<b>Samples E1 and S1</b>		43			43	43	100	
(1) Tube test	RV >>>	13	30	Negative				
(2) Microplate - aut.	RV >>>	3	7	Negative				
(7) Column agglutination - automat	RV >>>	3	7	Negative				
(9) Column agglutination - manual	RV >>>	24	56	Negative				
<b>Samples E2 and S2</b>		43			43	43	100	
(1) Tube test	RV >>>	13	30	Negative				
(2) Microplate - aut.	RV >>>	3	7	Negative				
(7) Column agglutination - automat	RV >>>	3	7	Negative				
(9) Column agglutination - manual	RV >>>	24	56	Negative				
<b>(727) Antigen Fy<sup>a</sup></b>		44			44	44	100	
<b>Samples E1 and S1</b>		44			44	44	100	
(0) Not specified	RV >>>	1	2,3	Positive				
(1) Tube test	RV >>>	10	23	Positive				
(7) Column agglutination - automat	RV >>>	4	9,1	Positive				
(9) Column agglutination - manual	RV >>>	26	59	Positive				
(10) Solid phase	RV >>>	3	6,8	Positive				
<b>Samples E2 and S2</b>		44			44	44	100	
(0) Not specified	RV >>>	1	2,3	Positive				
(1) Tube test	RV >>>	10	23	Positive				
(7) Column agglutination - automat	RV >>>	4	9,1	Positive				
(9) Column agglutination - manual	RV >>>	26	59	Positive				
(10) Solid phase	RV >>>	3	6,8	Positive				
<b>(728) Antigen Fy<sup>b</sup></b>		44			44	44	100	
<b>Samples E1 and S1</b>		44			44	44	100	
(0) Not specified	RV >>>	1	2,3	Positive				
(1) Tube test	RV >>>	11	25	Positive				

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Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
(2) Microplate - aut.	RV >>>	3	6,8	Positive				
(7) Column agglutination - automat	RV >>>	4	9,1	Positive				
(9) Column agglutination - manual	RV >>>	25	57	Positive				
<b>Samples E2 and S2</b>		44			44	44	100	
(0) Not specified	RV >>>	1	2,3	Positive				
(1) Tube test	RV >>>	11	25	Positive				
(2) Microplate - aut.	RV >>>	3	6,8	Positive				
(7) Column agglutination - automat	RV >>>	4	9,1	Positive				
(9) Column agglutination - manual	RV >>>	25	57	Positive				
<b>(722) Antigen M</b>		43			43	43	100	
<b>Samples E1 and S1</b>		43			43	43	100	
(1) Tube test	RV >>>	17	40	Negative				
(2) Microplate - aut.	RV >>>	2	4,7	Negative				
(7) Column agglutination - automat	RV >>>	4	9,3	Negative				
(9) Column agglutination - manual	RV >>>	20	47	Negative				
<b>Samples E2 and S2</b>		43			43	43	100	
(1) Tube test	RV >>>	17	40	Negative				
(2) Microplate - aut.	RV >>>	2	4,7	Negative				
(7) Column agglutination - automat	RV >>>	4	9,3	Negative				
(9) Column agglutination - manual	RV >>>	20	47	Negative				
<b>(723) Antigen N</b>		41			41	41	100	
<b>Samples E1 and S1</b>		41			41	41	100	
(1) Tube test	RV >>>	16	39	Positive				
(2) Microplate - aut.	RV >>>	1	2,4	Positive				
(7) Column agglutination - automat	RV >>>	4	9,8	Positive				
(9) Column agglutination - manual	RV >>>	20	49	Positive				
<b>Samples E2 and S2</b>		41			41	41	100	
(1) Tube test	RV >>>	16	39	Positive				
(2) Microplate - aut.	RV >>>	1	2,4	Positive				
(7) Column agglutination - automat	RV >>>	4	9,8	Positive				
(9) Column agglutination - manual	RV >>>	20	49	Positive				
<b>(724) Antigen S</b>		43			43	43	100	
<b>Samples E1 and S1</b>		43			43	43	100	
(1) Tube test	RV >>>	15	35	Negative				
(2) Microplate - aut.	RV >>>	3	7	Negative				
(7) Column agglutination - automat	RV >>>	4	9,3	Negative				
(9) Column agglutination - manual	RV >>>	21	49	Negative				
<b>Samples E2 and S2</b>		43			43	43	100	
(1) Tube test	RV >>>	15	35	Negative				
(2) Microplate - aut.	RV >>>	3	7	Negative				
(7) Column agglutination - automat	RV >>>	4	9,3	Negative				
(9) Column agglutination - manual	RV >>>	21	49	Negative				
<b>(725) Antigen s</b>		42			42	42	100	
<b>Samples E1 and S1</b>		42			42	42	100	
(1) Tube test	RV >>>	15	36	Positive				
(2) Microplate - aut.	RV >>>	3	7,1	Positive				
(7) Column agglutination - automat	RV >>>	4	9,5	Positive				
(9) Column agglutination - manual	RV >>>	20	48	Positive				
<b>Samples E2 and S2</b>		42			42	42	100	
(1) Tube test	RV >>>	15	36	Positive				
(2) Microplate - aut.	RV >>>	3	7,1	Positive				
(7) Column agglutination - automat	RV >>>	4	9,5	Positive				
(9) Column agglutination - manual	RV >>>	20	48	Positive				
<b>(733) Antigen Le<sup>a</sup></b>		34			34	32	94	
<b>Samples E1 and S1</b>		34			34	33	97	
(1) Tube test	RV >>>	13	38	Negative				
		1	2,9	Positive				
(7) Column agglutination - automat	RV >>>	2	5,9	Negative				
(9) Column agglutination - manual	RV >>>	18	53	Negative				
<b>Samples E2 and S2</b>		34			34	32	94	
(1) Tube test	RV >>>	12	35	Negative				
		2	5,9	Positive				
(7) Column agglutination - automat	RV >>>	2	5,9	Negative				
(9) Column agglutination - manual	RV >>>	18	53	Negative				
<b>(734) Antigen Le<sup>b</sup></b>		34			34	34	100	
<b>Samples E1 and S1</b>		34			34	34	100	
(1) Tube test	RV >>>	14	41	Negative				
(7) Column agglutination - automat	RV >>>	2	5,9	Negative				
(9) Column agglutination - manual	RV >>>	18	53	Negative				

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<b>Samples E2 and S2</b>		34				34	34	100
(1) Tube test	RV >>>	14	41	Negative				
(7) Column agglutination - automat	RV >>>	2	5,9	Negative				
(9) Column agglutination - manual	RV >>>	18	53	Negative				
<b>(731) Antigen Lu<sup>a</sup></b>		31				31	31	100
<b>Samples E1 and S1</b>		31				31	31	100
(1) Tube test	RV >>>	8	26	Negative				
(7) Column agglutination - automat	RV >>>	4	13	Negative				
(9) Column agglutination - manual	RV >>>	19	61	Negative				
<b>Samples E2 and S2</b>		31				31	31	100
(1) Tube test	RV >>>	8	26	Negative				
(7) Column agglutination - automat	RV >>>	4	13	Negative				
(9) Column agglutination - manual	RV >>>	19	61	Negative				
<b>(732) Antigen Lu<sup>b</sup></b>		28				28	27	96
<b>Samples E1 and S1</b>		28				28	27	96
(1) Tube test	RV >>>	9	32	Positive				
(7) Column agglutination - automat	RV >>>	4	14	Positive				
(9) Column agglutination - manual	RV >>>	1	3,6	Negative				
	RV >>>	14	50	Positive				
<b>Samples E2 and S2</b>		28				28	27	96
(1) Tube test	RV >>>	9	32	Positive				
(7) Column agglutination - automat	RV >>>	4	14	Positive				
(9) Column agglutination - manual	RV >>>	1	3,6	Negative				
	RV >>>	14	50	Positive				
<b>(726) Antigen P1</b>		29				29	28	97
<b>Samples E1 and S1</b>		29				29	29	100
(1) Tube test	RV >>>	15	52	Positive				
(7) Column agglutination - automat	RV >>>	2	6,9	Positive				
(9) Column agglutination - manual	RV >>>	12	41	Positive				
<b>Samples E2 and S2</b>		29				29	28	97
(1) Tube test	RV >>>	1	3,4	Negative				
	RV >>>	14	48	Positive				
(7) Column agglutination - automat	RV >>>	2	6,9	Positive				
(9) Column agglutination - manual	RV >>>	12	41	Positive				
<b>(740) Antigen Wr<sup>a</sup></b>		8				8	7	88
<b>Samples E1 and S1</b>		8				8	7	88
(1) Tube test	RV >>>	3	38	Negative				
		1	13	Positive				
(9) Column agglutination - manual	RV >>>	4	50	Negative				
<b>Samples E2 and S2</b>		8				8	7	88
(1) Tube test	RV >>>	3	38	Negative				
		1	13	Positive				
(9) Column agglutination - manual	RV >>>	4	50	Negative				
<b>(737) Direct Coombs (antiglobulin) test</b>		125				125	125	100
<b>Samples E1 and S1</b>		125				125	125	100
(0) Not specified	RV >>>	1	0,8	Negative				
(1) Tube test: IAT	RV >>>	2	1,6	Negative				
(3) Column agglut.: IAT - automat	RV >>>	31	25	Negative				
(8) Column agglut.: IAT - manual	RV >>>	88	70	Negative				
(9) Column agglut.: enzyme - manual	RV >>>	3	2,4	Negative				
<b>Samples E2 and S2</b>		125				125	125	100
(0) Not specified	RV >>>	1	0,8	Negative				
(1) Tube test: IAT	RV >>>	2	1,6	Negative				
(3) Column agglut.: IAT - automat	RV >>>	31	25	Negative				
(8) Column agglut.: IAT - manual	RV >>>	88	70	Negative				
(9) Column agglut.: enzyme - manual	RV >>>	3	2,4	Negative				
<b>(741) Antibody screening (IAT, blood donor)</b>		80				80	80	100
<b>Samples E1 and S1</b>		80				80	80	100
(1) Tube test: IAT	RV >>>	1	1,3	Positive				
(3) Column agglut.: IAT - automat	RV >>>	29	36	Positive				
(5) Solid phase	RV >>>	9	11	Positive				
(6) Microplate: IAT	RV >>>	3	3,8	Positive				
(8) Column agglut.: IAT - manual	RV >>>	38	48	Positive				
<b>Samples E2 and S2</b>		80				80	80	100
(1) Tube test: IAT	RV >>>	1	1,3	Positive				
(3) Column agglut.: IAT - automat	RV >>>	29	36	Positive				
(5) Solid phase	RV >>>	9	11	Positive				
(6) Microplate: IAT	RV >>>	3	3,8	Positive				
(8) Column agglut.: IAT - manual	RV >>>	38	48	Positive				

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Deadline: 27.9.2024

Setup: groups - M (measurement principle)

Test Sample Group	Frequency of the results					Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(743) Antibody screening (IAT, recipient)</b>		142			142	142	100	
<b>Samples E1 and S1</b>		142			142	142	100	
(3) Column agglut.: IAT - automat	RV >>>	42	30	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	1	0,7	Positive				
(5) Solid phase	RV >>>	1	0,7	Positive				
(6) Microplate: IAT	RV >>>	2	1,4	Positive				
(8) Column agglut.: IAT - manual	RV >>>	95	67	Positive				
(9) Column agglut.: enzyme - manual	RV >>>	1	0,7	Positive				
<b>Samples E2 and S2</b>		142			142	142	100	
(3) Column agglut.: IAT - automat	RV >>>	42	30	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	1	0,7	Positive				
(5) Solid phase	RV >>>	1	0,7	Positive				
(6) Microplate: IAT	RV >>>	2	1,4	Positive				
(8) Column agglut.: IAT - manual	RV >>>	95	67	Positive				
(9) Column agglut.: enzyme - manual	RV >>>	1	0,7	Positive				
<b>(745) Antibody screening (IAT, pregnant)</b>		115			115	115	100	
<b>Samples E1 and S1</b>		115			115	115	100	
(1) Tube test: IAT	RV >>>	1	0,9	Positive				
(3) Column agglut.: IAT - automat	RV >>>	39	34	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	1	0,9	Positive				
(5) Solid phase	RV >>>	2	1,7	Positive				
(8) Column agglut.: IAT - manual	RV >>>	72	63	Positive				
<b>Samples E2 and S2</b>		115			115	115	100	
(1) Tube test: IAT	RV >>>	1	0,9	Positive				
(3) Column agglut.: IAT - automat	RV >>>	39	34	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	1	0,9	Positive				
(5) Solid phase	RV >>>	2	1,7	Positive				
(8) Column agglut.: IAT - manual	RV >>>	72	63	Positive				
<b>(747) Antibody screening (enzyme test)</b>		90			90	90	100	
<b>Samples E1 and S1</b>		90			90	90	100	
(2) Tube test: enzyme	RV >>>	2	2,2	Positive				
(3) Column agglut.: IAT - automat	RV >>>	1	1,1	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	24	27	Positive				
(8) Column agglut.: IAT - manual	RV >>>	6	6,7	Positive				
(9) Column agglut.: enzyme - manual	RV >>>	57	63	Positive				
<b>Samples E2 and S2</b>		90			90	90	100	
(2) Tube test: enzyme	RV >>>	2	2,2	Positive				
(3) Column agglut.: IAT - automat	RV >>>	1	1,1	Positive				
(4) Column agglut.: enzyme - automat	RV >>>	24	27	Positive				
(8) Column agglut.: IAT - manual	RV >>>	6	6,7	Positive				
(9) Column agglut.: enzyme - manual	RV >>>	57	63	Positive				
<b>(750) Antibody identification</b>		46			46	42	91	
<b>Samples E1 and S1</b>		46			46	45	98	
(0) Not specified	RV >>>	45	98	anti-D				
		1	2,2	anti-D; anti-Wra				
<b>Samples E2 and S2</b>		46			46	43	93	
(0) Not specified		9	20	anti-E				
	RV >>>	34	74	anti-E; anti-Jkb				
		2	4,3	anti-E; anti-Jkb; anti-M				
		1	2,2	anti-Jkb				
<b>(752) Antibody titre, Sample 1: 1st antibody</b>		38			0			
<b>Samples E1 and S1</b>		38			0			
(1) Tube + homozyg. expression	±	1	2,6	titre 16				
	±	1	2,6	titre 32				
(2) Tube + heterozyg. expression	±	1	2,6	titre 16				
(3) Column agglut.+ homozyg. expres.	±	3	7,9	titre 8				
	±	3	7,9	titre 16				
	±	4	11	titre 32				
	±	1	2,6	titre 64				
(4) Column agglut.+ heterozyg. expres.	±	3	7,9	titre 8				
	±	9	24	titre 16				
	±	8	21	titre 32				
	±	3	7,9	titre 64				
(99) Another measurement principle	±	1	2,6	titre 16				
<b>(756) Antibody titre, Sample 2: 1st antibody</b>		37			0			
<b>Samples E2 and S2</b>		37			0			
(1) Tube + homozyg. expression	±	1	2,7	titre 256				
(2) Tube + heterozyg. expression	±	2	5,4	titre 32				
	±	1	2,7	titre 64				

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Deadline: 27.9.2024

Setup: groups - M (measurement principle)

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
(3) Column agglut.+ homozyg. expres.	±	2	5,4	titre 128			
	±	2	5,4	titre 256			
	±	2	5,4	titre 512			
	±	1	2,7	titre 2000			
(4) Column agglut.+ heterozyg. expres.	±	3	8,1	titre 32			
	±	5	14	titre 64			
	±	11	30	titre 128			
	±	5	14	titre 256			
	±	2	5,4	titre 1000			
<b>(757) Antibody titre, Sample 2: 2nd antibody</b>		15					0
<b>Samples E2 and S2</b>		15					0
(1) Tube + homozyg. expression	±	1	6,7	titre 2			
(2) Tube + heterozyg. expression	±	1	6,7	titre 0 (not measurable)			
(3) Column agglut.+ homozyg. expres.	±	2	13	titre 0 (not measurable)			
	±	2	13	titre 1			
	±	1	6,7	titre 2			
	±	1	6,7	titre 256			
(4) Column agglut.+ heterozyg. expres.	±	5	33	titre 0 (not measurable)			
	±	1	6,7	titre 1			
	±	1	6,7	titre 2			
<b>Set 3</b>							
<b>(761) Crossmatch (segment K1)</b>		116					116 116 100
<b>Sample S1</b>		116					116 116 100
(3) Column agglut.: IAT - automat	RV	>>>	30	26	Negative test		
(4) Column agglut.: enzyme - automat	RV	>>>	1	0,9	Negative test		
(5) Solid phase	RV	>>>	1	0,9	Negative test		
(8) Column agglut.: IAT - manual	RV	>>>	83	72	Negative test		
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,9	Negative test		
<b>Sample S2</b>		116					116 116 100
(3) Column agglut.: IAT - automat	RV	>>>	30	26	Negative test		
(4) Column agglut.: enzyme - automat	RV	>>>	1	0,9	Negative test		
(5) Solid phase	RV	>>>	1	0,9	Negative test		
(8) Column agglut.: IAT - manual	RV	>>>	83	72	Negative test		
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,9	Negative test		
<b>(762) Serve transfusion product? (segment K1) (transfusion in non-emergency mode)</b>		116					0
<b>Sample S1</b>		116					0
(0) Not specified	±	1	0,9	Impossible, risk of haemolysis			
	±	53	46	Decision depends on results of other tests not performed in our laboratory			
	±	39	34	Only if more suitable products are not available			
	±	23	20	Possible			
<b>Sample S2</b>		116					0
(0) Not specified	±	33	28	Impossible, risk of haemolysis			
	±	55	47	Decision depends on results of other tests not performed in our laboratory			
	±	17	15	Only if more suitable products are not available			
	±	11	9,5	Possible			
<b>(764) Crossmatch (segment K2)</b>		116					116 116 100
<b>Sample S1</b>		116					116 116 100
(3) Column agglut.: IAT - automat	RV	>>>	31	27	Positive test		
(5) Solid phase	RV	>>>	1	0,9	Positive test		
(8) Column agglut.: IAT - manual	RV	>>>	83	72	Positive test		
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,9	Positive test		
<b>Sample S2</b>		116					116 116 100
(3) Column agglut.: IAT - automat	RV	>>>	31	27	Positive test		
(5) Solid phase	RV	>>>	1	0,9	Positive test		
(8) Column agglut.: IAT - manual	RV	>>>	83	72	Positive test		
(9) Column agglut.: enzyme - manual	RV	>>>	1	0,9	Positive test		
<b>(765) Serve transfusion product? (segment K2) (transfusion in non-emergency mode)</b>		116					0
<b>Sample S1</b>		116					0
(0) Not specified	±	115	99	Impossible, risk of haemolysis			
	±	1	0,9	Decision depends on results of other tests not performed in our laboratory			
<b>Sample S2</b>		116					0
(0) Not specified	±	114	98	Impossible, risk of haemolysis			

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Setup: groups - M (measurement principle)

Test Sample Group	Frequency of the results			Result	Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]		N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
	±	2	1,7	Decision depends on results of other tests not performed in our laboratory			