

Key:	>>> ... marks correct (expected) result	N ... number of the results
	> ... marks conditionally correct (acceptable) result	Nrel ... relative number of the results
	± ... marks the result not evaluated	

## Test

Sample	Group	N	Result	N <sub>rel</sub>
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## Set 1 and 2

## (700) AB0 blood group

E1 and S1	(1) Tube test	>>>	67	Blood group: 0	35 %
	(2) Microplate - aut.	>>>	10	Blood group: 0	5,2 %
	(3) Microplate - man.	>>>	7	Blood group: 0	3,6 %
	(4) Microplate reagent kit - aut.	>>>	1	Blood group: 0	0,52 %
	(5) Microplate reagent kit - man.	>>>	1	Blood group: 0	0,52 %
	(6) Microplate - without centrifug.	>>>	1	Blood group: 0	0,52 %
	(7) Column agglutination - automat	>>>	40	Blood group: 0	21 %
	(9) Column agglutination - manual	>>>	65	Blood group: 0	34 %
	(10) Solid phase	>>>	1	Blood group: 0	0,52 %
	(99) Another measurement principle	>>>	1	Blood group: 0	0,52 %
Total per sample: n = 194		Success:	100 %		

E2 and S2	(1) Tube test		1	Not specified	0,52 %
	(2) Microplate - aut.	>>>	66	Blood group: B	34 %
	(3) Microplate - man.	>>>	9	Not specified	0,52 %
	(4) Microplate reagent kit - aut.	>>>	7	Blood group: B	4,6 %
	(5) Microplate reagent kit - man.	>>>	1	Blood group: B	3,6 %
	(6) Microplate - without centrifug.	>>>	1	Blood group: B	0,52 %
	(7) Column agglutination - automat	>>>	1	Blood group: B	0,52 %
	(9) Column agglutination - manual	>>>	39	Not specified	20 %
	(10) Solid phase	>>>	65	Blood group: B	34 %
	(99) Another measurement principle	>>>	1	Blood group: B	0,52 %
Total per sample: n = 194		Success:	98 %		

Total success: 98 %

## (705) Rh D antigen (blood-donor)

E1 and S1	(0) Not specified	>>>	1	Negative (RhD-)	0,81 %
	(1) Tube test	>>>	50	Negative (RhD-)	41 %
	(2) Microplate - aut.	>>>	10	Negative (RhD-)	8,1 %
	(3) Microplate - man.	>>>	2	Negative (RhD-)	1,6 %
	(4) Microplate reagent kit - aut.	>>>	2	Negative (RhD-)	1,6 %
	(7) Column agglutination - automat	>>>	19	Negative (RhD-)	15 %
	(9) Column agglutination - manual	>>>	38	Negative (RhD-)	31 %
	(10) Solid phase	>>>	1	Negative (RhD-)	0,81 %
Total per sample: n = 123		Success:	100 %		

E2 and S2	(0) Not specified	>>>	1	Negative (RhD-)	0,81 %
	(1) Tube test	>>>	50	Negative (RhD-)	41 %
	(2) Microplate - aut.	>>>	10	Negative (RhD-)	8,1 %
	(3) Microplate - man.	>>>	2	Negative (RhD-)	1,6 %
	(4) Microplate reagent kit - aut.	>>>	2	Negative (RhD-)	1,6 %
	(7) Column agglutination - automat	>>>	19	Negative (RhD-)	15 %
	(9) Column agglutination - manual	>>>	38	Negative (RhD-)	31 %
	(10) Solid phase	>>>	1	Negative (RhD-)	0,81 %
Total per sample: n = 123		Success:	100 %		

Total success: 100 %

## (709) Rh D antigen (recipient)

E1 and S1	(1) Tube test	>>>	70	Negative (RhD-)	39 %
	(2) Microplate - aut.	>>>	7	Negative (RhD-)	3,9 %
	(3) Microplate - man.	>>>	3	Negative (RhD-)	1,7 %
	(5) Microplate reagent kit - man.	>>>	1	Negative (RhD-)	0,56 %
	(7) Column agglutination - automat	>>>	38	Negative (RhD-)	21 %
	(9) Column agglutination - manual	>>>	59	Negative (RhD-)	33 %
	(10) Solid phase	>>>	1	Negative (RhD-)	0,56 %
Total per sample: n = 179		Success:	100 %		

E2 and S2	(1) Tube test	>>>	70	Negative (RhD-)	39 %
	(2) Microplate - aut.	>>>	7	Negative (RhD-)	3,9 %
	(3) Microplate - man.	>>>	3	Negative (RhD-)	1,7 %
	(5) Microplate reagent kit - man.	>>>	1	Negative (RhD-)	0,56 %
	(7) Column agglutination - automat	>>>	38	Negative (RhD-)	21 %
	(9) Column agglutination - manual	>>>	59	Negative (RhD-)	33 %
	(10) Solid phase	>>>	1	Negative (RhD-)	0,56 %

## EQA round: IH1/21 - Blood Group Serology

Test		N	Result	N <sub>rel</sub>
Total per sample: n = 179		Success: 100 %		
Total success: 100 %				
<b>(715) Antigen C</b>				
E1 and S1	(1) Tube test	>>> 23	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	6,2 %
	(7) Column agglutination - automat	>>> 13	Negative	13 %
	(9) Column agglutination - manual	>>> 54	Negative	56 %
	(10) Solid phase	>>> 1	Negative	1,0 %
Total per sample: n = 97		Success: 100 %		
E2 and S2	(1) Tube test	>>> 23	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	6,2 %
	(7) Column agglutination - automat	>>> 13	Negative	13 %
	(9) Column agglutination - manual	>>> 54	Negative	56 %
	(10) Solid phase	>>> 1	Negative	1,0 %
Total per sample: n = 97		Success: 100 %		
Total success: 100 %				
<b>(716) Antigen c</b>				
E1 and S1	(1) Tube test	>>> 23	Positive	24 %
	(2) Microplate - aut.	>>> 6	Positive	6,2 %
	(7) Column agglutination - automat	>>> 13	Positive	13 %
	(9) Column agglutination - manual	>>> 54	Positive	56 %
	(10) Solid phase	>>> 1	Positive	1,0 %
Total per sample: n = 97		Success: 100 %		
E2 and S2	(1) Tube test	>>> 23	Positive	24 %
	(2) Microplate - aut.	>>> 6	Positive	6,2 %
	(7) Column agglutination - automat	>>> 13	Positive	13 %
	(9) Column agglutination - manual	>>> 54	Positive	56 %
	(10) Solid phase	>>> 1	Positive	1,0 %
Total per sample: n = 97		Success: 100 %		
Total success: 100 %				
<b>(717) Antigen Cw</b>				
E1 and S1	(0) Not specified	>>> 1	Negative	1,3 %
	(1) Tube test	>>> 21	Negative	28 %
	(2) Microplate - aut.	>>> 5	Negative	6,7 %
	(7) Column agglutination - automat	>>> 11	Negative	15 %
	(9) Column agglutination - manual	>>> 37	Negative	49 %
Total per sample: n = 75		Success: 100 %		
E2 and S2	(0) Not specified	>>> 1	Negative	1,3 %
	(1) Tube test	>>> 21	Negative	28 %
	(2) Microplate - aut.	>>> 5	Negative	6,7 %
	(7) Column agglutination - automat	>>> 11	Negative	15 %
	(9) Column agglutination - manual	>>> 37	Negative	49 %
Total per sample: n = 75		Success: 100 %		
Total success: 100 %				
<b>(718) Antigen E</b>				
E1 and S1	(1) Tube test	>>> 23	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	6,2 %
	(7) Column agglutination - automat	>>> 13	Negative	13 %
	(9) Column agglutination - manual	>>> 54	Negative	56 %
	(10) Solid phase	>>> 1	Negative	1,0 %
Total per sample: n = 97		Success: 100 %		
E2 and S2	(1) Tube test	>>> 23	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	6,2 %
	(7) Column agglutination - automat	>>> 13	Negative	13 %
	(9) Column agglutination - manual	>>> 54	Negative	56 %
	(10) Solid phase	>>> 1	Negative	1,0 %
Total per sample: n = 97		Success: 100 %		
Total success: 100 %				
<b>(719) Antigen e</b>				
E1 and S1	(1) Tube test	>>> 23	Positive	24 %
	(2) Microplate - aut.	>>> 6	Positive	6,2 %
	(7) Column agglutination - automat	>>> 13	Positive	13 %
	(9) Column agglutination - manual	>>> 54	Positive	56 %
	(10) Solid phase	>>> 1	Positive	1,0 %
Total per sample: n = 97		Success: 100 %		
E2 and S2	(1) Tube test	>>> 23	Positive	24 %
	(2) Microplate - aut.	>>> 6	Positive	6,2 %

## EQA round: IH1/21 - Blood Group Serology

Test		N	Result	N <sub>rel</sub>
Sample	Group			
E2 and S2	(7) Column agglutination - automat	>>> 13	Positive	13 %
	(9) Column agglutination - manual	>>> 54	Positive	56 %
	(10) Solid phase	>>> 1	Positive	1,0 %
Total per sample: n = 97		Success: 100 %		
Total success: 100 %				
<b>(720) Antigen K</b>				
E1 and S1	(1) Tube test	>>> 25	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	5,7 %
	(5) Microplate reagent kit - man.	>>> 1	Negative	0,95 %
	(7) Column agglutination - automat	>>> 15	Negative	14 %
	(9) Column agglutination - manual	>>> 57	Negative	54 %
	(10) Solid phase	>>> 1	Negative	0,95 %
Total per sample: n = 105		Success: 100 %		
E2 and S2	(1) Tube test	>>> 25	Negative	24 %
	(2) Microplate - aut.	>>> 6	Negative	5,7 %
	(5) Microplate reagent kit - man.	>>> 1	Negative	0,95 %
	(7) Column agglutination - automat	>>> 15	Negative	14 %
	(9) Column agglutination - manual	>>> 57	Negative	54 %
	(10) Solid phase	>>> 1	Negative	0,95 %
Total per sample: n = 105		Success: 100 %		
Total success: 100 %				
<b>(721) Antigen k</b>				
E1 and S1	(1) Tube test	>>> 25	Positive	53 %
	(7) Column agglutination - automat	>>> 2	Positive	4,3 %
	(9) Column agglutination - manual	>>> 16	Positive	34 %
	(10) Solid phase	>>> 4	Positive	8,5 %
Total per sample: n = 47		Success: 100 %		
E2 and S2	(1) Tube test	>>> 25	Positive	53 %
	(7) Column agglutination - automat	>>> 2	Positive	4,3 %
	(9) Column agglutination - manual	>>> 16	Positive	34 %
	(10) Solid phase	>>> 4	Positive	8,5 %
Total per sample: n = 47		Success: 100 %		
Total success: 100 %				
<b>(722) Antigen M</b>				
E1 and S1	(1) Tube test	>>> 26	Positive	51 %
	(2) Microplate - aut.	>>> 2	Positive	3,9 %
	(7) Column agglutination - automat	>>> 3	Positive	5,9 %
	(9) Column agglutination - manual	>>> 20	Positive	39 %
Total per sample: n = 51		Success: 100 %		
E2 and S2	(1) Tube test	>>> 26	Positive	51 %
	(2) Microplate - aut.	>>> 2	Positive	3,9 %
	(7) Column agglutination - automat	>>> 3	Positive	5,9 %
	(9) Column agglutination - manual	>>> 20	Positive	39 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				
<b>(723) Antigen N</b>				
E1 and S1	(1) Tube test	>>> 24	Positive	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,1 %
	(7) Column agglutination - automat	>>> 3	Positive	6,4 %
	(9) Column agglutination - manual	>>> 19	Positive	40 %
Total per sample: n = 47		Success: 100 %		
E2 and S2	(1) Tube test	>>> 24	Positive	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,1 %
	(7) Column agglutination - automat	>>> 3	Positive	6,4 %
	(9) Column agglutination - manual	>>> 19	Positive	40 %
Total per sample: n = 47		Success: 100 %		
Total success: 100 %				
<b>(724) Antigen S</b>				
E1 and S1	(1) Tube test	>>> 24	Negative	48 %
	(7) Column agglutination - automat	>>> 3	Negative	6,0 %
	(9) Column agglutination - manual	>>> 21	Negative	42 %
	(10) Solid phase	>>> 2	Negative	4,0 %
Total per sample: n = 50		Success: 100 %		
E2 and S2	(1) Tube test	>>> 24	Positive	48 %
	(7) Column agglutination - automat	>>> 3	Positive	6,0 %
	(9) Column agglutination - manual	>>> 21	Positive	42 %

Test		N	Result	N <sub>rel</sub>
Sample	Group			
E2 and S2 (10)	Solid phase	>>> 2	Positive	4,0 %
Total per sample: n = 50		Success: 100 %		
Total success: 100 %				
<b>(725) Antigen s</b>				
E1 and S1 (1)	Tube test	>>> 25	Positive	49 %
	(7) Column agglutination - automat	>>> 3	Positive	5,9 %
	(9) Column agglutination - manual	>>> 21	Positive	41 %
	(10) Solid phase	>>> 2	Positive	3,9 %
Total per sample: n = 51		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 25	Negative	49 %
	(7) Column agglutination - automat	>>> 3	Negative	5,9 %
	(9) Column agglutination - manual	>>> 21	Negative	41 %
	(10) Solid phase	>>> 2	Negative	3,9 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				
<b>(726) Antigen P1</b>				
E1 and S1 (1)	Tube test	>>> 23	Negative	64 %
	(7) Column agglutination - automat	>>> 2	Negative	5,6 %
	(9) Column agglutination - manual	>>> 11	Negative	31 %
Total per sample: n = 36		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 23	Positive	64 %
	(7) Column agglutination - automat	>>> 2	Positive	5,6 %
	(9) Column agglutination - manual	>>> 11	Positive	31 %
Total per sample: n = 36		Success: 100 %		
Total success: 100 %				
<b>(727) Antigen Fya</b>				
E1 and S1 (1)	Tube test	>>> 17	Negative	32 %
	(7) Column agglutination - automat	>>> 3	Negative	5,7 %
	(9) Column agglutination - manual	>>> 31	Negative	58 %
	(10) Solid phase	>>> 2	Negative	3,8 %
Total per sample: n = 53		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 17	Positive	32 %
	(7) Column agglutination - automat	>>> 3	Positive	5,7 %
	(9) Column agglutination - manual	>>> 31	Positive	58 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 53		Success: 100 %		
Total success: 100 %				
<b>(728) Antigen Fyb</b>				
E1 and S1 (1)	Tube test	>>> 17	Positive	33 %
	(7) Column agglutination - automat	>>> 3	Positive	5,8 %
	(9) Column agglutination - manual	>>> 30	Positive	58 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 52		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 17	Positive	33 %
	(7) Column agglutination - automat	>>> 3	Positive	5,8 %
	(9) Column agglutination - manual	>>> 30	Positive	58 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 52		Success: 100 %		
Total success: 100 %				
<b>(729) Antigen Jka</b>				
E1 and S1 (0)	Not specified	>>> 1	Positive	2,0 %
	(1) Tube test	>>> 20	Positive	39 %
	(2) Microplate - aut.	>>> 2	Positive	3,9 %
	(7) Column agglutination - automat	>>> 3	Positive	5,9 %
	(9) Column agglutination - manual	>>> 25	Positive	49 %
Total per sample: n = 51		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Negative	2,0 %
	(1) Tube test	>>> 20	Negative	39 %
	(2) Microplate - aut.	>>> 2	Negative	3,9 %
	(7) Column agglutination - automat	>>> 3	Negative	5,9 %
	(9) Column agglutination - manual	>>> 25	Negative	49 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				
<b>(730) Antigen Jkb</b>				
E1 and S1 (0)	Not specified	>>> 1	Positive	2,0 %
	(1) Tube test	>>> 20	Positive	39 %

## EQA round: IH1/21 - Blood Group Serology

Test	Sample	Group	N	Result	N <sub>rel</sub>
E1 and S1	(2) Microplate - aut.		>>> 2	Positive	3,9 %
		(7) Column agglutination - automat	>>> 3	Positive	5,9 %
		(9) Column agglutination - manual	>>> 25	Positive	49 %
		Total per sample: n = 51		Success: 100 %	-
E2 and S2	(0) Not specified		>>> 1	Positive	2,0 %
	(1) Tube test		>>> 20	Positive	39 %
	(2) Microplate - aut.		>>> 2	Positive	3,9 %
	(7) Column agglutination - automat		>>> 3	Positive	5,9 %
	(9) Column agglutination - manual		>>> 25	Positive	49 %
Total per sample: n = 51		Success: 100 %	-	-	
Total success: 100 %					

**(731) Antigen Lua**

E1 and S1	(0) Not specified		>>> 1	Negative	3,2 %
		(1) Tube test	>>> 10	Negative	32 %
		(7) Column agglutination - automat	>>> 2	Negative	6,5 %
		(9) Column agglutination - manual	>>> 18	Negative	58 %
Total per sample: n = 31		Success: 100 %	-	-	
E2 and S2	(0) Not specified		>>> 1	Negative	3,2 %
		(1) Tube test	>>> 10	Negative	32 %
		(7) Column agglutination - automat	>>> 2	Negative	6,5 %
		(9) Column agglutination - manual	>>> 18	Negative	58 %
Total per sample: n = 31		Success: 100 %	-	-	
Total success: 100 %					

**(732) Antigen Lub**

E1 and S1	(1) Tube test		>>> 13	Positive	41 %
		(7) Column agglutination - automat	>>> 2	Positive	6,3 %
		(9) Column agglutination - manual	>>> 17	Positive	53 %
Total per sample: n = 32		Success: 100 %	-	-	
E2 and S2	(1) Tube test		>>> 1	Negative	3,1 %
			>>> 12	Positive	38 %
		(7) Column agglutination - automat	>>> 2	Positive	6,3 %
		(9) Column agglutination - manual	>>> 17	Positive	53 %
Total per sample: n = 32		Success: 97 %	-	-	
Total success: 97 %					

**(733) Antigen Lea**

E1 and S1	(1) Tube test		>>> 21	Negative	53 %
		(7) Column agglutination - automat	>>> 2	Negative	5,0 %
		(9) Column agglutination - manual	>>> 17	Negative	43 %
Total per sample: n = 40		Success: 100 %	-	-	
E2 and S2	(1) Tube test		>>> 21	Negative	53 %
		(7) Column agglutination - automat	>>> 2	Negative	5,0 %
		(9) Column agglutination - manual	>>> 17	Negative	43 %
Total per sample: n = 40		Success: 100 %	-	-	
Total success: 100 %					

**(734) Antigen Leb**

E1 and S1	(1) Tube test		>>> 20	Positive	50 %
		(7) Column agglutination - automat	>>> 2	Positive	5,0 %
		(9) Column agglutination - manual	>>> 18	Positive	45 %
Total per sample: n = 40		Success: 100 %	-	-	
E2 and S2	(1) Tube test		>>> 20	Positive	50 %
		(7) Column agglutination - automat	>>> 2	Positive	5,0 %
		(9) Column agglutination - manual	>>> 18	Positive	45 %
Total per sample: n = 40		Success: 100 %	-	-	
Total success: 100 %					

**(737) Direct Coombs (antiglobulin) test**

E1 and S1	(1) Tube test: IAT		>>> 5	Negative	3,3 %
		(3) Column agglut.: IAT - automat	>>> 22	Negative	15 %
		(5) Solid phase	>>> 1	Negative	0,66 %
		(8) Column agglut.: IAT - manual	>>> 120	Negative	79 %
		(9) Column agglut.: enzyme - manual	>>> 3	Negative	2,0 %
Total per sample: n = 151		Success: 100 %	-	-	
E2 and S2	(1) Tube test: IAT		>>> 5	Negative	3,3 %
		(3) Column agglut.: IAT - automat	>>> 22	Negative	15 %
		(5) Solid phase	>>> 1	Negative	0,66 %
		(8) Column agglut.: IAT - manual	>>> 120	Negative	79 %
		(9) Column agglut.: enzyme - manual	>>> 3	Negative	2,0 %

## EQA round: IH1/21 - Blood Group Serology

Test	Sample	Group	N	Result	N <sub>rel</sub>
Total per sample: n = 151    Success: 100 %					
Total success: 100 %					
<b>(741) Antibody screening (IAT, blood donor)</b>					
E1 and S1 (1)	Tube test: IAT		1	Negative	0,99 %
		>>>	1	Positive	0,99 %
	(3) Column agglut.: IAT - automat	>>>	24	Positive	24 %
	(5) Solid phase	>>>	10	Positive	9,9 %
	(6) Microplate: IAT	>>>	3	Positive	3,0 %
	(8) Column agglut.: IAT - manual		3	Negative	3,0 %
		>>>	59	Positive	58 %
Total per sample: n = 101    Success: 96 %					
E2 and S2 (1)	Tube test: IAT	>>>	2	Positive	2,0 %
	(3) Column agglut.: IAT - automat	>>>	24	Positive	24 %
	(5) Solid phase	>>>	10	Positive	9,9 %
	(6) Microplate: IAT	>>>	3	Positive	3,0 %
	(8) Column agglut.: IAT - manual	>>>	62	Positive	61 %
Total per sample: n = 101    Success: 100 %					
Total success: 96 %					
<b>(743) Antibody screening (IAT, recipient)</b>					
E1 and S1 (0)	Not specified	>>>	1	Positive	0,61 %
	(3) Column agglut.: IAT - automat	>>>	35	Positive	21 %
	(5) Solid phase	>>>	2	Positive	1,2 %
	(8) Column agglut.: IAT - manual	>>>	126	Positive	76 %
	(9) Column agglut.: enzyme - manual	>>>	1	Positive	0,61 %
Total per sample: n = 165    Success: 100 %					
E2 and S2 (0)	Not specified	>>>	1	Positive	0,61 %
	(3) Column agglut.: IAT - automat	>>>	35	Positive	21 %
	(5) Solid phase	>>>	2	Positive	1,2 %
	(8) Column agglut.: IAT - manual	>>>	126	Positive	76 %
	(9) Column agglut.: enzyme - manual	>>>	1	Positive	0,61 %
Total per sample: n = 165    Success: 100 %					
Total success: 100 %					
<b>(745) Antibody screening (IAT, pregnant)</b>					
E1 and S1 (1)	Tube test: IAT	>>>	1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	>>>	34	Positive	25 %
	(4) Column agglut.: enzyme - automat	>>>	1	Positive	0,72 %
	(5) Solid phase	>>>	4	Positive	2,9 %
	(8) Column agglut.: IAT - manual	>>>	98	Positive	71 %
Total per sample: n = 138    Success: 100 %					
E2 and S2 (1)	Tube test: IAT	>>>	1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	>>>	34	Positive	25 %
	(4) Column agglut.: enzyme - automat	>>>	1	Positive	0,72 %
	(5) Solid phase	>>>	4	Positive	2,9 %
	(8) Column agglut.: IAT - manual	>>>	98	Positive	71 %
Total per sample: n = 138    Success: 100 %					
Total success: 100 %					
<b>(747) Antibody screening (enzyme test)</b>					
E1 and S1 (2)	Tube test: enzyme		2	Negative	1,8 %
			2	Positive	1,8 %
	(4) Column agglut.: enzyme - automat	>>>	23	Negative	21 %
	(8) Column agglut.: IAT - manual	>>>	8	Negative	7,1 %
			2	Positive	1,8 %
	(9) Column agglut.: enzyme - manual	>>>	75	Negative	67 %
Total per sample: n = 112    Success: 96 %					
E2 and S2 (2)	Tube test: enzyme	>>>	1	Negative	0,89 %
		>	3	Positive	2,7 %
	(4) Column agglut.: enzyme - automat	>>>	20	Negative	18 %
		>	3	Positive	2,7 %
	(8) Column agglut.: IAT - manual	>>>	6	Negative	5,4 %
		>	4	Positive	3,6 %
	(9) Column agglut.: enzyme - manual	>>>	57	Negative	51 %
		>	18	Positive	16 %
Total per sample: n = 112    Success: 100 %					
Total success: 96 %					
<b>(750) Antibody identification</b>					
E1 and S1 (0)	Not specified	>>>	52	anti-Fya	100 %
Total per sample: n = 52    Success: 100 %					
E2 and S2 (0)	Not specified		1	anti-Lub	1,9 %

Test		N	Result	N <sub>rel</sub>
E2 and S2 (0)	Not specified	>	17 anti-s	33 %
			1 anti-s; anti-E	1,9 %
			1 anti-s; anti-Jka	1,9 %
			1 anti-s; anti-K; anti-Lea	1,9 %
		>>>	31 anti-s; anti-M	60 %
Total per sample: n = 52		Success: 92 %		
Total success: 92 %				

**(752) Antibody titre, Sample 1: 1st antibody**

E1 and S1 (1)	Tube + homozyg. expression	±	1 titre 2	2,2 %
		±	2 titre 4	4,4 %
(2)	Tube + heterozyg. expression	±	4 titre 2	8,9 %
(3)	Column agglut.+ homozyg. expres.	±	2 titre 2	4,4 %
		±	5 titre 4	11 %
(4)	Column agglut.+ heterozyg. expres.	±	2 titre 1	4,4 %
		±	23 titre 2	51 %
		±	6 titre 4	13 %
Total per sample: n = 45		Success (only evaluated results): evaluation		

**(756) Antibody titre, Sample 2: 1st antibody**

E2 and S2 (1)	Tube + homozyg. expression	±	2 titre 512	4,7 %
(3)	Column agglut.+ homozyg. expres.	±	6 titre 256	14 %
		±	1 titre 512	2,3 %
		±	1 titre 1000	2,3 %
		±	2 titre 32	4,7 %
		±	2 titre 64	4,7 %
		±	12 titre 128	28 %
(4)	Column agglut.+ heterozyg. expres.	±	4 titre 256	9,3 %
		±	2 titre 16	4,7 %
		±	2 titre 32	4,7 %
		±	5 titre 64	12 %
		±	4 titre 128	9,3 %
Total per sample: n = 43		Success (only evaluated results): evaluation		

**(757) Antibody titre, Sample 2: 2nd antibody**

E2 and S2 (1)	Tube + homozyg. expression	±	1 titre 1	4,0 %
		±	2 titre 2	8,0 %
(2)	Tube + heterozyg. expression	±	1 titre 4	4,0 %
(3)	Column agglut.+ homozyg. expres.	±	1 titre 2	4,0 %
		±	9 titre 4	36 %
(4)	Column agglut.+ heterozyg. expres.	±	4 titre 1	16 %
		±	1 titre 2	4,0 %
		±	6 titre 4	24 %
Total per sample: n = 25		Success (only evaluated results): evaluation		

**Set 3****(760) Crossmatch**

S1	All results	13	Crossmatch not successful	9,2 %
		>>>	128 Crossmatch successful	91 %
Total per sample: n = 141		Success: 91 %		
S2	All results	1	Crossmatch not successful	0,71 %
		>>>	140 Crossmatch successful	99 %
Total per sample: n = 141		Success: 99 %		
Total success: 90 %				

**(761) Crossmatch (segment K1)**

S1	(3) Column agglut.: IAT - automat	>>>	19 Positive test	13 %
	(5) Solid phase	>>>	1 Positive test	0,71 %
	(6) Microplate: IAT	>>>	1 Positive test	0,71 %
	(8) Column agglut.: IAT - manual		1 Negative test	0,71 %
		>>>	118 Positive test	84 %
	(9) Column agglut.: enzyme - manual	>>>	1 Positive test	0,71 %
Total per sample: n = 141		Success: 99 %		
S2	(3) Column agglut.: IAT - automat	>>>	19 Positive test	13 %
	(5) Solid phase	>>>	1 Positive test	0,71 %
	(6) Microplate: IAT	>>>	1 Positive test	0,71 %
	(8) Column agglut.: IAT - manual		1 Negative test	0,71 %
		>>>	118 Positive test	84 %
	(9) Column agglut.: enzyme - manual	>>>	1 Positive test	0,71 %
Total per sample: n = 141		Success: 99 %		
Total success: 99 %				

## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: IH1/21 - Blood Group Serology

Deadline: 12.03.2021

Test		N	Result	N <sub>rel</sub>
Sample	Group			
<b>(762) Serve transfusion product (segment K1)</b>				
S1	(0) Not specified	± 139	Impossible, risk of haemolysis	99 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
----- Total per sample: n = 141 -----		Success (only evaluated results): evaluation		
S2	(0) Not specified	± 132	Impossible, risk of haemolysis	94 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
		± 7	Only if more suitable products are not available	5,0 %
----- Total per sample: n = 141 -----		Success (only evaluated results): evaluation		
<b>(764) Crossmatch (segment K2)</b>				
S1	(3) Column agglut.: IAT - automat	>>> 20	Positive test	14 %
	(5) Solid phase	>>> 1	Positive test	0,71 %
	(8) Column agglut.: IAT - manual	13	Negative test	9,2 %
		>>> 106	Positive test	75 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive test	0,71 %
----- Total per sample: n = 141 -----		Success: 91 %		
S2	(3) Column agglut.: IAT - automat	>>> 20	Positive test	14 %
	(5) Solid phase	>>> 1	Positive test	0,71 %
	(8) Column agglut.: IAT - manual	>>> 119	Positive test	84 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive test	0,71 %
----- Total per sample: n = 141 -----		Success: 100 %		
Total success: 91 %				
<b>(765) Serve transfusion product (segment K2)</b>				
S1	(0) Not specified	± 131	Impossible, risk of haemolysis	93 %
		± 8	Decision depends on results of other tests not performed in our laboratory	5,7 %
		± 1	Only if more suitable products are not available	0,71 %
		± 1	Possible	0,71 %
----- Total per sample: n = 141 -----		Success (only evaluated results): evaluation		
S2	(0) Not specified	± 139	Impossible, risk of haemolysis	99 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
----- Total per sample: n = 141 -----		Success (only evaluated results): evaluation		

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End of report

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