

Key: >>> ... marks correct (expected) result

> ... marks conditionally correct (acceptable) result

± ... marks the result not evaluated

N ... number of the results

Nrel ... relative number of the results

Test

Sample	Group	N	Result	N _{rel}
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Set of samples 1 and 2**(700) AB0 blood group**

E1 and S1 (1) Tube test	>>>	81	Blood group: A	40 %
(2) Microplate - aut.	>>>	13	Blood group: A	6,4 %
(3) Microplate - man.	>>>	7	Blood group: A	3,5 %
(4) Microplate reagent kit - aut.	>>>	5	Blood group: A	2,5 %
(5) Microplate reagent kit - man.	>>>	2	Blood group: A	0,99 %
(6) Microplate - without centrifug.	>>>	1	Blood group: A	0,50 %
(7) Column agglutination - automat		1	Not specified	0,50 %
	>>>	33	Blood group: A	16 %
(9) Column agglutination - manual	>>>	58	Blood group: A	29 %
(10) Solid phase	>>>	1	Blood group: A	0,50 %

 Total per sample: n = 202 ----- Success: 100 % -----

E2 and S2 (1) Tube test	>>>	81	Blood group: B	40 %
(2) Microplate - aut.	>>>	13	Blood group: B	6,4 %
(3) Microplate - man.	>>>	7	Blood group: B	3,5 %
(4) Microplate reagent kit - aut.	>>>	5	Blood group: B	2,5 %
(5) Microplate reagent kit - man.	>>>	2	Blood group: B	0,99 %
(6) Microplate - without centrifug.	>>>	1	Blood group: B	0,50 %
(7) Column agglutination - automat	>>>	34	Blood group: B	17 %
(9) Column agglutination - manual	>>>	58	Blood group: B	29 %
(10) Solid phase	>>>	1	Blood group: B	0,50 %

 Total per sample: n = 202 ----- Success: 100 % -----

Total success: 100 %

(703) A subgroup

E1 and S1 (0) Not specified	>>>	60	A subgroup A1	100 %
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 Total per sample: n = 60 ----- Success: 100 % -----

E2 and S2 (0) Not specified	>>>	60	Not specified	100 %
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 Total per sample: n = 60 ----- Success: 100 % -----

Total success: 100 %

(705) Rh D antigen (blood-donor)

E1 and S1 (0) Not specified	>>>	2	Negative (RhD-)	1,6 %
(1) Tube test	>>>	56	Negative (RhD-)	44 %
(2) Microplate - aut.	>>>	11	Negative (RhD-)	8,7 %
(3) Microplate - man.	>>>	3	Negative (RhD-)	2,4 %
(4) Microplate reagent kit - aut.	>>>	7	Negative (RhD-)	5,5 %
(6) Microplate - without centrifug.	>>>	1	Negative (RhD-)	0,79 %
(7) Column agglutination - automat	>>>	18	Negative (RhD-)	14 %
(9) Column agglutination - manual	>>>	28	Negative (RhD-)	22 %
(10) Solid phase	>>>	1	Negative (RhD-)	0,79 %

 Total per sample: n = 127 ----- Success: 100 % -----

E2 and S2 (0) Not specified	>>>	2	Negative (RhD-)	1,6 %
(1) Tube test	>>>	56	Negative (RhD-)	44 %
(2) Microplate - aut.	>>>	11	Negative (RhD-)	8,7 %
(3) Microplate - man.	>>>	3	Negative (RhD-)	2,4 %
(4) Microplate reagent kit - aut.	>>>	7	Negative (RhD-)	5,5 %
(6) Microplate - without centrifug.	>>>	1	Negative (RhD-)	0,79 %
(7) Column agglutination - automat	>>>	18	Negative (RhD-)	14 %
(9) Column agglutination - manual	>>>	28	Negative (RhD-)	22 %
(10) Solid phase	>>>	1	Negative (RhD-)	0,79 %

 Total per sample: n = 127 ----- Success: 100 % -----

Total success: 100 %

(709) Rh D antigen (recipient)

E1 and S1 (0) Not specified	>>>	1	Negative (RhD-)	0,53 %
(1) Tube test	>>>	82	Negative (RhD-)	43 %
(2) Microplate - aut.	>>>	10	Negative (RhD-)	5,3 %
(3) Microplate - man.	>>>	4	Negative (RhD-)	2,1 %
(4) Microplate reagent kit - aut.	>>>	4	Negative (RhD-)	2,1 %
(5) Microplate reagent kit - man.	>>>	2	Negative (RhD-)	1,1 %
(7) Column agglutination - automat	>>>	32	Negative (RhD-)	17 %
(9) Column agglutination - manual	>>>	53	Negative (RhD-)	28 %
(10) Solid phase	>>>	1	Negative (RhD-)	0,53 %

 Total per sample: n = 189 ----- Success: 100 % -----

E2 and S2 (0) Not specified	>>>	1	Negative (RhD-)	0,53 %
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EQA round: IH1/19 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2	(1) Tube test	>>> 82	Negative (RhD-)	43 %
	(2) Microplate - aut.	>>> 10	Negative (RhD-)	5,3 %
	(3) Microplate - man.	>>> 4	Negative (RhD-)	2,1 %
	(4) Microplate reagent kit - aut.	>>> 4	Negative (RhD-)	2,1 %
	(5) Microplate reagent kit - man.	>>> 2	Negative (RhD-)	1,1 %
	(7) Column agglutination - automat	>>> 32	Negative (RhD-)	17 %
	(9) Column agglutination - manual	>>> 53	Negative (RhD-)	28 %
	(10) Solid phase	>>> 1	Negative (RhD-)	0,53 %
Total per sample: n = 189		Success: 100 %		
Total success: 100 %				

(715) Antigen C

E1 and S1	(1) Tube test	>>> 27	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	3,2 %
	(7) Column agglutination - automat	>>> 10	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	2,1 %
	(9) Column agglutination - manual	>>> 43	Negative	45 %
	(10) Solid phase	>>> 1	Negative	1,1 %
Total per sample: n = 95		Success: 100 %		
E2 and S2	(1) Tube test	>>> 27	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	3,2 %
	(7) Column agglutination - automat	>>> 10	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	2,1 %
	(9) Column agglutination - manual	>>> 43	Negative	45 %
	(10) Solid phase	>>> 1	Negative	1,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				

(716) Antigen c

E1 and S1	(1) Tube test	>>> 27	Positive	28 %
	(2) Microplate - aut.	>>> 9	Positive	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,2 %
	(7) Column agglutination - automat	>>> 10	Positive	11 %
	(8) Lateral diffusion	>>> 2	Positive	2,1 %
	(9) Column agglutination - manual	>>> 43	Positive	45 %
	(10) Solid phase	>>> 1	Positive	1,1 %
Total per sample: n = 95		Success: 100 %		
E2 and S2	(1) Tube test	>>> 27	Positive	28 %
	(2) Microplate - aut.	>>> 9	Positive	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,2 %
	(7) Column agglutination - automat	>>> 10	Positive	11 %
	(8) Lateral diffusion	>>> 2	Positive	2,1 %
	(9) Column agglutination - manual	>>> 43	Positive	45 %
	(10) Solid phase	>>> 1	Positive	1,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				

(717) Antigen Cw

E1 and S1	(1) Tube test	>>> 25	Negative	34 %
	(2) Microplate - aut.	>>> 8	Negative	11 %
	(7) Column agglutination - automat	>>> 9	Negative	12 %
	(8) Lateral diffusion	>>> 2	Negative	2,7 %
	(9) Column agglutination - manual	>>> 29	Negative	40 %
Total per sample: n = 73		Success: 100 %		
E2 and S2	(1) Tube test	>>> 25	Negative	34 %
	(2) Microplate - aut.	>>> 8	Negative	11 %
	(7) Column agglutination - automat	>>> 9	Negative	12 %
	(8) Lateral diffusion	>>> 2	Negative	2,7 %
	(9) Column agglutination - manual	>>> 29	Negative	40 %
Total per sample: n = 73		Success: 100 %		
Total success: 100 %				

(718) Antigen E

E1 and S1	(1) Tube test	>>> 27	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	3,2 %
	(7) Column agglutination - automat	>>> 10	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	2,1 %
	(9) Column agglutination - manual	>>> 43	Negative	45 %

EQA round: IH1/19 - Blood Group Serology

Dead line: 14.03.2019

Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (10)	Solid phase	>>> 1	Negative	1,1 %
Total per sample: n = 95		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 27	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	3,2 %
	(7) Column agglutination - automat	>>> 10	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	2,1 %
	(9) Column agglutination - manual	>>> 43	Negative	45 %
	(10) Solid phase	>>> 1	Negative	1,1 %
Total per sample: n = 95		Success: 100 %		

Total success: 100 %

(719) Antigen e

E1 and S1 (1)	Tube test	>>> 27	Positive	28 %
	(2) Microplate - aut.	>>> 9	Positive	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,2 %
	(7) Column agglutination - automat	>>> 10	Positive	11 %
	(8) Lateral diffusion	>>> 2	Positive	2,1 %
	(9) Column agglutination - manual	>>> 1	Negative	1,1 %
	(10) Solid phase	>>> 42	Positive	44 %
Total per sample: n = 95		Success: 99 %		
E2 and S2 (1)	Tube test	>>> 27	Positive	28 %
	(2) Microplate - aut.	>>> 9	Positive	9,5 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,2 %
	(7) Column agglutination - automat	>>> 10	Positive	11 %
	(8) Lateral diffusion	>>> 2	Positive	2,1 %
	(9) Column agglutination - manual	>>> 1	Negative	1,1 %
	(10) Solid phase	>>> 42	Positive	44 %
Total per sample: n = 95		Success: 99 %		

Total success: 99 %

(720) Antigen K

E1 and S1 (0)	Not specified	>>> 1	Negative	0,97 %
	(1) Tube test	>>> 29	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	8,7 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	2,9 %
	(7) Column agglutination - automat	>>> 11	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	1,9 %
	(9) Column agglutination - manual	>>> 47	Negative	46 %
	(10) Solid phase	>>> 1	Negative	0,97 %
Total per sample: n = 103		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Negative	0,97 %
	(1) Tube test	>>> 29	Negative	28 %
	(2) Microplate - aut.	>>> 9	Negative	8,7 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	2,9 %
	(7) Column agglutination - automat	>>> 11	Negative	11 %
	(8) Lateral diffusion	>>> 2	Negative	1,9 %
	(9) Column agglutination - manual	>>> 47	Negative	46 %
	(10) Solid phase	>>> 1	Negative	0,97 %
Total per sample: n = 103		Success: 100 %		

Total success: 100 %

(721) Antigen k

E1 and S1 (1)	Tube test	>>> 27	Positive	51 %
	(2) Microplate - aut.	>>> 2	Positive	3,8 %
	(7) Column agglutination - automat	>>> 1	Positive	1,9 %
	(9) Column agglutination - manual	>>> 19	Positive	36 %
	(10) Solid phase	>>> 4	Positive	7,5 %
Total per sample: n = 53		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 27	Positive	51 %
	(2) Microplate - aut.	>>> 2	Positive	3,8 %
	(7) Column agglutination - automat	>>> 1	Positive	1,9 %
	(9) Column agglutination - manual	>>> 19	Positive	36 %
	(10) Solid phase	>>> 4	Positive	7,5 %
Total per sample: n = 53		Success: 100 %		

Total success: 100 %

(722) Antigen M

E1 and S1 (1)	Tube test	>>> 25	Negative	48 %
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Test		N	Result	N _{rel}
Sample	Group			
E1 and S1	(2) Microplate - aut.	>>>	3 Negative	5,8 %
	(7) Column agglutination - automat	>>>	2 Negative	3,8 %
	(9) Column agglutination - manual	>>>	22 Negative	42 %
	Total per sample: n = 52		Success: 100 %	
E2 and S2	(1) Tube test	>>>	25 Positive	48 %
	(2) Microplate - aut.	>>>	3 Positive	5,8 %
	(7) Column agglutination - automat	>>>	2 Positive	3,8 %
	(9) Column agglutination - manual	>>>	22 Positive	42 %
Total per sample: n = 52		Success: 100 %		
Total success: 100 %				

(723) Antigen N

E1 and S1	(1) Tube test	>>>	24 Positive	49 %
	(2) Microplate - aut.	>>>	2 Positive	4,1 %
	(7) Column agglutination - automat	>>>	2 Positive	4,1 %
	(9) Column agglutination - manual	>>>	21 Positive	43 %
Total per sample: n = 49		Success: 100 %		
E2 and S2	(1) Tube test	>>>	23 Negative	47 %
			1 Positive	2,0 %
	(2) Microplate - aut.	>>>	2 Negative	4,1 %
	(7) Column agglutination - automat	>>>	2 Negative	4,1 %
			21 Negative	43 %
Total per sample: n = 49		Success: 98 %		
Total success: 98 %				

(724) Antigen S

E1 and S1	(1) Tube test	>>>	20 Positive	39 %
	(2) Microplate - aut.	>>>	1 Positive	2,0 %
	(7) Column agglutination - automat	>>>	2 Positive	3,9 %
	(9) Column agglutination - manual	>>>	26 Positive	51 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 100 %		
E2 and S2	(1) Tube test	>>>	20 Positive	39 %
	(2) Microplate - aut.	>>>	1 Positive	2,0 %
	(7) Column agglutination - automat	>>>	2 Positive	3,9 %
	(9) Column agglutination - manual	>>>	26 Positive	51 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				

(725) Antigen s

E1 and S1	(1) Tube test	>>>	19 Positive	37 %
	(2) Microplate - aut.	>>>	1 Positive	2,0 %
	(7) Column agglutination - automat	>>>	2 Positive	3,9 %
	(9) Column agglutination - manual	>>>	27 Positive	53 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 100 %		
E2 and S2	(1) Tube test	>>>	19 Positive	37 %
	(2) Microplate - aut.	>>>	1 Positive	2,0 %
	(7) Column agglutination - automat	>>>	2 Positive	3,9 %
	(9) Column agglutination - manual	>>>	27 Positive	53 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				

(726) Antigen P1

E1 and S1	(1) Tube test	>>>	25 Positive	66 %
	(2) Microplate - aut.	>>>	1 Positive	2,6 %
	(7) Column agglutination - automat	>>>	1 Positive	2,6 %
	(9) Column agglutination - manual	>>>	11 Positive	29 %
Total per sample: n = 38		Success: 100 %		
E2 and S2	(1) Tube test	>>>	25 Positive	66 %
	(2) Microplate - aut.	>>>	1 Positive	2,6 %
	(7) Column agglutination - automat	>>>	1 Positive	2,6 %
	(9) Column agglutination - manual	>>>	11 Positive	29 %
Total per sample: n = 38		Success: 100 %		
Total success: 100 %				

(727) Antigen Fya

E1 and S1	(1) Tube test	>>>	18 Positive	34 %
	(2) Microplate - aut.	>>>	1 Positive	1,9 %
	(7) Column agglutination - automat	>>>	2 Positive	3,8 %

EQA round: IH1/19 - Blood Group Serology

Dead line: 14.03.2019

Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (9)	Column agglutination - manual	>>> 30	Positive	57 %
	(10) Solid phase	>>> 2	Positive	3,8 %
	Total per sample: n = 53		Success: 100 %	-----
E2 and S2 (1)	Tube test	1	Negative	1,9 %
		>>> 17	Positive	32 %
	(2) Microplate - aut.	>>> 1	Positive	1,9 %
	(7) Column agglutination - automat	>>> 2	Positive	3,8 %
	(9) Column agglutination - manual	>>> 30	Positive	57 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 53		Success: 98 %	-----	
Total success: 98 %				

(728) Antigen Fyb

E1 and S1 (1)	Tube test	>>> 19	Negative	35 %
	(2) Microplate - aut.	>>> 1	Negative	1,9 %
	(7) Column agglutination - automat	>>> 2	Negative	3,7 %
	(9) Column agglutination - manual	>>> 30	Negative	56 %
	(10) Solid phase	>>> 2	Negative	3,7 %
Total per sample: n = 54		Success: 100 %	-----	
E2 and S2 (1)	Tube test	1	Negative	1,9 %
		>>> 18	Positive	33 %
	(2) Microplate - aut.	>>> 1	Positive	1,9 %
	(7) Column agglutination - automat	>>> 2	Positive	3,7 %
	(9) Column agglutination - manual	1	Negative	1,9 %
		>>> 29	Positive	54 %
(10) Solid phase	>>> 2	Positive	3,7 %	
Total per sample: n = 54		Success: 96 %	-----	
Total success: 96 %				

(729) Antigen Jka

E1 and S1 (1)	Tube test	>>> 21	Positive	40 %
	(2) Microplate - aut.	>>> 2	Positive	3,8 %
	(7) Column agglutination - automat	>>> 2	Positive	3,8 %
	(9) Column agglutination - manual	>>> 26	Positive	50 %
	(10) Solid phase	>>> 1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %	-----	
E2 and S2 (1)	Tube test	>>> 21	Positive	40 %
	(2) Microplate - aut.	>>> 2	Positive	3,8 %
	(7) Column agglutination - automat	>>> 2	Positive	3,8 %
	(9) Column agglutination - manual	>>> 26	Positive	50 %
	(10) Solid phase	>>> 1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %	-----	
Total success: 100 %				

(730) Antigen Jkb

E1 and S1 (1)	Tube test	>>> 20	Negative	39 %
	(2) Microplate - aut.	>>> 2	Negative	3,9 %
	(7) Column agglutination - automat	>>> 2	Negative	3,9 %
	(9) Column agglutination - manual	>>> 26	Negative	51 %
	(10) Solid phase	>>> 1	Negative	2,0 %
Total per sample: n = 51		Success: 100 %	-----	
E2 and S2 (1)	Tube test	>>> 20	Positive	39 %
	(2) Microplate - aut.	>>> 2	Positive	3,9 %
	(7) Column agglutination - automat	>>> 2	Positive	3,9 %
	(9) Column agglutination - manual	>>> 26	Positive	51 %
	(10) Solid phase	>>> 1	Positive	2,0 %
Total per sample: n = 51		Success: 100 %	-----	
Total success: 100 %				

(731) Antigen Lua

E1 and S1 (1)	Tube test	>>> 16	Negative	42 %
	(7) Column agglutination - automat	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 21	Negative	55 %
Total per sample: n = 38		Success: 100 %	-----	
E2 and S2 (1)	Tube test	>>> 15	Negative	39 %
		1	Positive	2,6 %
	(7) Column agglutination - automat	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 21	Negative	55 %
Total per sample: n = 38		Success: 97 %	-----	
Total success: 97 %				

EQA round: IH1/19 - Blood Group Serology

Dead line: 14.03.2019

Test		N	Result	N _{rel}
Sample	Group			
(732) Antigen Lub				
E1 and S1 (1)	Tube test	>>> 16	Positive	46 %
	(7) Column agglutination - automat	>>> 1	Positive	2,9 %
	(9) Column agglutination - manual	>>> 18	Positive	51 %
Total per sample: n = 35		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 16	Positive	46 %
	(7) Column agglutination - automat	>>> 1	Positive	2,9 %
	(9) Column agglutination - manual	>>> 18	Positive	51 %
Total per sample: n = 35		Success: 100 %		
Total success: 100 %				
(733) Antigen Lea				
E1 and S1 (1)	Tube test	>>> 24	Negative	59 %
	(7) Column agglutination - automat	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 16	Negative	39 %
Total per sample: n = 41		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 23	Negative	56 %
	(7) Column agglutination - automat	>>> 1	Positive	2,4 %
	(9) Column agglutination - manual	>>> 16	Negative	39 %
Total per sample: n = 41		Success: 98 %		
Total success: 98 %				
(734) Antigen Leb				
E1 and S1 (1)	Tube test	5	Negative	12 %
	(7) Column agglutination - automat	>>> 19	Positive	46 %
	(9) Column agglutination - manual	>>> 16	Positive	39 %
Total per sample: n = 41		Success: 88 %		
E2 and S2 (1)	Tube test	>>> 24	Positive	59 %
	(7) Column agglutination - automat	>>> 1	Positive	2,4 %
	(9) Column agglutination - manual	>>> 16	Positive	39 %
Total per sample: n = 41		Success: 100 %		
Total success: 88 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 (1)	Tube test: IAT	>>> 4	Negative	2,7 %
	(3) Column agglut.: IAT - automat	>>> 15	Negative	10 %
	(5) Solid phase	>>> 1	Negative	0,67 %
	(8) Column agglut.: IAT - manual	>>> 127	Negative	85 %
	(9) Column agglut.: enzyme - manual	>>> 3	Negative	2,0 %
Total per sample: n = 150		Success: 100 %		
E2 and S2 (1)	Tube test: IAT	>>> 4	Negative	2,7 %
	(3) Column agglut.: IAT - automat	>>> 15	Negative	10 %
	(5) Solid phase	>>> 1	Negative	0,67 %
	(8) Column agglut.: IAT - manual	>>> 126	Negative	84 %
	(9) Column agglut.: enzyme - manual	>>> 2	Negative	1,3 %
		1	Positive	0,67 %
Total per sample: n = 150		Success: 99 %		
Total success: 99 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 (1)	Tube test: IAT	>>> 2	Positive	2,0 %
	(3) Column agglut.: IAT - automat	> 9	Negative	8,8 %
	(4) Column agglut.: enzyme - automat	>>> 18	Positive	18 %
	(5) Solid phase	>>> 1	Positive	0,98 %
	(6) Microplate: IAT	>>> 11	Positive	11 %
	(8) Column agglut.: IAT - manual	> 11	Negative	11 %
		>>> 48	Positive	47 %
Total per sample: n = 102		Success: 100 %		
E2 and S2 (1)	Tube test: IAT	>>> 2	Positive	2,0 %
	(3) Column agglut.: IAT - automat	>>> 27	Positive	26 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,98 %
	(5) Solid phase	>>> 11	Positive	11 %
	(6) Microplate: IAT	>>> 2	Positive	2,0 %
	(8) Column agglut.: IAT - manual	>>> 59	Positive	58 %
Total per sample: n = 102		Success: 100 %		
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 (3)	Column agglut.: IAT - automat	>>> 31	Positive	18 %

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 (5)	Solid phase	>>> 4	Positive	2,4 %
	(8) Column agglut.: IAT - manual	>>> 5	Negative	2,9 %
		>>> 129	Positive	76 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,59 %
Total per sample: n = 170		Success: 97 %		
E2 and S2 (3)	Column agglut.: IAT - automat	>>> 31	Positive	18 %
	(5) Solid phase	>>> 4	Positive	2,4 %
	(8) Column agglut.: IAT - manual	>>> 134	Positive	79 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,59 %
Total per sample: n = 170		Success: 100 %		

Total success: 97 %

(745) Antibody screening (IAT, pregnant)

E1 and S1 (1)	Tube test: IAT	>>> 1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	>>> 28	Positive	20 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,72 %
	(5) Solid phase	>>> 5	Positive	3,6 %
	(8) Column agglut.: IAT - manual	>>> 4	Negative	2,9 %
		>>> 100	Positive	72 %
Total per sample: n = 139		Success: 97 %		
E2 and S2 (1)	Tube test: IAT	>>> 1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	>>> 28	Positive	20 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,72 %
	(5) Solid phase	>>> 5	Positive	3,6 %
	(8) Column agglut.: IAT - manual	>>> 104	Positive	75 %
		>>> 139	Positive	97 %
Total per sample: n = 139		Success: 100 %		

Total success: 97 %

(747) Antibody screening (enzyme test)

E1 and S1 (2)	Tube test: enzyme	>>> 5	Negative	4,2 %
	(4) Column agglut.: enzyme - automat	>>> 22	Negative	18 %
	(8) Column agglut.: IAT - manual	>>> 7	Negative	5,9 %
		> 2	Positive	1,7 %
	(9) Column agglut.: enzyme - manual	>>> 80	Negative	67 %
	> 2	Positive	1,7 %	
Total per sample: n = 119		Success: 99 %		
E2 and S2 (2)	Tube test: enzyme	>>> 5	Positive	4,2 %
	(4) Column agglut.: enzyme - automat	>>> 22	Positive	18 %
	(8) Column agglut.: IAT - manual	>>> 9	Positive	7,6 %
	(9) Column agglut.: enzyme - manual	>>> 83	Positive	70 %
Total per sample: n = 119		Success: 100 %		

Total success: 99 %

(750) Antibody identification

E1 and S1 (0)	Not specified	>>> 2	Not specified	3,6 %
		>>> 5	anti-Fyb	8,9 %
		>>> 37	anti-Fyb; anti-M	66 %
		>>> 1	anti-Fyb; anti-M; anti-K	1,8 %
		>>> 7	anti-Fyb; anti-M; anti-Kpa	13 %
		>>> 1	anti-Jkb	1,8 %
		> 3	anti-M	5,4 %
Total per sample: n = 56		Success: 93 %		
E2 and S2 (0)	Not specified	>>> 55	anti-D	98 %
		>>> 1	anti-D; anti-M	1,8 %
Total per sample: n = 56		Success: 98 %		

Total success: 91 %

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

E1 and S1 (1)	Tube + homozyg. expression	± 1	titre 4	2,6 %
		± 1	titre 8	2,6 %
	(2) Tube + heterozyg. expression	± 1	titre 1	2,6 %
	(3) Column agglut.+ homozyg. expres.	± 4	titre 1	10 %
		± 6	titre 2	15 %
		± 9	titre 4	23 %
		± 1	titre 8	2,6 %
		± 1	titre 0 (not measurable)	2,6 %
	(4) Column agglut.+ heterozyg. expres.	± 2	titre 1	5,1 %
		± 2	titre 2	5,1 %
		± 6	titre 4	15 %
		± 3	titre 8	7,7 %
		± 1	titre 16	2,6 %

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 (99)	Another measurement principle	± 1	titre 4	2,6 %
Total per sample: n = 39		Success (only evaluated results): evaluation		

(753) Antibody titre, Sample 1: 2nd antibody

E1 and S1 (1)	Tube + homozyg. expression	± 1	titre 2	2,6 %
(3)	Column agglut.+ homozyg. expres.	± 2	titre 0 (not measurable)	5,3 %
		± 10	titre 1	26 %
		± 7	titre 2	18 %
		± 1	titre 4	2,6 %
		± 1	titre 8	2,6 %
(4)	Column agglut.+ heterozyg. expres.	± 5	titre 0 (not measurable)	13 %
		± 7	titre 1	18 %
		± 2	titre 2	5,3 %
		± 1	titre 4	2,6 %
(99)	Another measurement principle	± 1	titre 8	2,6 %
Total per sample: n = 38		Success (only evaluated results): evaluation		

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

E2 and S2 (1)	Tube + homozyg. expression	± 1	titre 16	2,0 %
		± 1	titre 128	2,0 %
(2)	Tube + heterozyg. expression	± 1	titre 256	2,0 %
		± 1	titre 32	2,0 %
(3)	Column agglut.+ homozyg. expres.	± 1	titre 256	2,0 %
		± 2	titre 16	4,1 %
		± 2	titre 32	4,1 %
		± 5	titre 64	10 %
		± 4	titre 128	8,2 %
(4)	Column agglut.+ heterozyg. expres.	± 6	titre 16	12 %
		± 7	titre 32	14 %
		± 10	titre 64	20 %
		± 4	titre 128	8,2 %
(99)	Another measurement principle	± 1	titre 16	2,0 %
		± 2	titre 32	4,1 %
		± 1	titre 64	2,0 %
Total per sample: n = 49		Success (only evaluated results): evaluation		

Set of samples 3**(760) Crossmatch**

S1	All results	>>> 142	Crossmatch successful	100 %
Total per sample: n = 142		Success: 100 %		
S2	All results	>>> 140	Crossmatch not successful	1,4 %
		>>> 140	Crossmatch successful	99 %
Total per sample: n = 142		Success: 99 %		
Total success: 99 %				

(761) Crossmatch (segment K1)

S1	(0) Not specified	> 1	Negative test	0,70 %
	(3) Column agglut.: IAT - automat	> 8	Negative test	5,6 %
		>>> 6	Positive test	4,2 %
	(5) Solid phase	>>> 2	Positive test	1,4 %
	(6) Microplate: IAT	> 1	Negative test	0,70 %
	(8) Column agglut.: IAT - manual	> 95	Negative test	67 %
		>>> 27	Positive test	19 %
	(9) Column agglut.: enzyme - manual	> 2	Negative test	1,4 %
Total per sample: n = 142		Success: 100 %		
S2	(0) Not specified	>>> 1	Negative test	0,70 %
	(3) Column agglut.: IAT - automat	>>> 14	Negative test	9,9 %
	(5) Solid phase	>>> 2	Negative test	1,4 %
	(6) Microplate: IAT	>>> 1	Negative test	0,70 %
	(8) Column agglut.: IAT - manual	>>> 120	Negative test	85 %
		2	Positive test	1,4 %
	(9) Column agglut.: enzyme - manual	>>> 2	Negative test	1,4 %
Total per sample: n = 142		Success: 99 %		
Total success: 99 %				

(762) Serve transfusion product (segment K1)

S1	(0) Not specified	± 55	Impossible, risk of haemolysis	39 %
		± 61	Decision depends on results of other tests not performed in our laboratory	44 %
		± 8	Only if more suitable products are not available	5,7 %
		± 16	Possible	11 %
Total per sample: n = 140		Success (only evaluated results): evaluation		

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: IH1/19 - Blood Group Serology

Dead line: 14.03.2019

Test

Sample	Group	N	Result	N _{rel}
S2	(0) Not specified	± 4	Impossible, risk of haemolysis	2,9 %
		± 69	Decision depends on results of other tests not performed in our laboratory	49 %
		± 27	Only if more suitable products are not available	19 %
		± 40	Possible	29 %
----- Total per sample: n = 140 ----- Success (only evaluated results): evaluation-----				

(764) Crossmatch (segment K2)

S1	(0) Not specified	>>> 1	Positive test	0,70 %
		> 3	Negative test	2,1 %
	(3) Column agglut.: IAT - automat	>>> 12	Positive test	8,5 %
		>>> 2	Positive test	1,4 %
		> 22	Negative test	15 %
		>>> 100	Positive test	70 %
(9) Column agglut.: enzyme - manual	> 2	Negative test	1,4 %	
----- Total per sample: n = 142 ----- Success: 100 % -----				
S2	(0) Not specified	>>> 1	Positive test	0,70 %
		>>> 15	Positive test	11 %
	(5) Solid phase	>>> 2	Positive test	1,4 %
	(8) Column agglut.: IAT - manual	>>> 122	Positive test	86 %
	(9) Column agglut.: enzyme - manual	>>> 2	Positive test	1,4 %
----- Total per sample: n = 142 ----- Success: 100 % -----				
Total success: 100 %				

(765) Serve transfusion product (segment K2)

S1	(0) Not specified	± 118	Impossible, risk of haemolysis	84 %
		± 16	Decision depends on results of other tests not performed in our laboratory	11 %
		± 5	Only if more suitable products are not available	3,5 %
		± 2	Possible	1,4 %
----- 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-----				

st_kl

End of report

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