

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 _{rel}
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Set 1 and 2

(700) AB0 blood group

E1 and S1	(1) Tube test	>>>	58	Blood group: A	36 %
	(2) Microplate - aut.	>>>	12	Blood group: A	7,5 %
	(3) Microplate - man.	>>>	5	Blood group: A	3,1 %
	(4) Microplate reagent kit - aut.	>>>	2	Blood group: A	1,3 %
	(5) Microplate reagent kit - man.	>>>	2	Blood group: A	1,3 %
	(7) Column agglutination - automat	>>>	42	Blood group: A	26 %
	(9) Column agglutination - manual	>>>	38	Blood group: A	24 %
	(10) Solid phase	>>>	1	Blood group: A	0,63 %
Total per sample: n = 160		Success:	100 %		

E2 and S2	(1) Tube test	>>>	58	Blood group: 0	36 %
	(2) Microplate - aut.	>>>	12	Blood group: 0	7,5 %
	(3) Microplate - man.	>>>	5	Blood group: 0	3,1 %
	(4) Microplate reagent kit - aut.	>>>	2	Blood group: 0	1,3 %
	(5) Microplate reagent kit - man.	>>>	2	Blood group: 0	1,3 %
	(7) Column agglutination - automat	>>>	42	Blood group: 0	26 %
	(9) Column agglutination - manual	>>>	38	Blood group: 0	24 %
	(10) Solid phase	>>>	1	Blood group: 0	0,63 %
Total per sample: n = 160		Success:	100 %		

Total success: 100 %

(703) A subgroup

E1 and S1	(0) Not specified	>>>	54	A subgroup A1	100 %
Total per sample: n = 54		Success:	100 %		

E2 and S2	(0) Not specified	>>>	54	Not specified	100 %
Total per sample: n = 54		Success:	100 %		

Total success: 100 %

(705) Rh D antigen (blood-donor)

E1 and S1	(0) Not specified	>>>	1	Negative (RhD-)	1,1 %
	(1) Tube test	>>>	34	Negative (RhD-)	37 %
	(2) Microplate - aut.	>>>	12	Negative (RhD-)	13 %
	(3) Microplate - man.	>>>	2	Negative (RhD-)	2,2 %
	(4) Microplate reagent kit - aut.	>>>	2	Negative (RhD-)	2,2 %
	(5) Microplate reagent kit - man.	>>>	1	Negative (RhD-)	1,1 %
	(7) Column agglutination - automat	>>>	22	Negative (RhD-)	24 %
	(9) Column agglutination - manual	>>>	18	Negative (RhD-)	19 %
	(10) Solid phase	>>>	1	Negative (RhD-)	1,1 %
Total per sample: n = 93		Success:	100 %		

E2 and S2	(0) Not specified	>>>	1	Positive (RhD+)	1,1 %
	(1) Tube test	>>>	34	Positive (RhD+)	37 %
	(2) Microplate - aut.	>>>	12	Positive (RhD+)	13 %
	(3) Microplate - man.	>>>	2	Positive (RhD+)	2,2 %
	(4) Microplate reagent kit - aut.	>>>	2	Positive (RhD+)	2,2 %
	(5) Microplate reagent kit - man.	>>>	1	Positive (RhD+)	1,1 %
	(7) Column agglutination - automat	>>>	22	Positive (RhD+)	24 %
	(9) Column agglutination - manual	>>>	18	Positive (RhD+)	19 %
	(10) Solid phase	>>>	1	Positive (RhD+)	1,1 %
Total per sample: n = 93		Success:	100 %		

Total success: 100 %

(709) Rh D antigen (recipient)

E1 and S1	(1) Tube test	>>>	58	Negative (RhD-)	39 %
	(2) Microplate - aut.	>>>	10	Negative (RhD-)	6,8 %
	(3) Microplate - man.	>>>	4	Negative (RhD-)	2,7 %
	(4) Microplate reagent kit - aut.	>>>	2	Negative (RhD-)	1,4 %
	(5) Microplate reagent kit - man.	>>>	1	Negative (RhD-)	0,68 %
	(7) Column agglutination - automat	>>>	38	Negative (RhD-)	26 %
	(9) Column agglutination - manual	>>>	34	Negative (RhD-)	23 %
	(10) Solid phase	>>>	1	Negative (RhD-)	0,68 %
Total per sample: n = 148		Success:	100 %		

E2 and S2	(1) Tube test	>>>	58	Positive (RhD+)	39 %
	(2) Microplate - aut.	>>>	10	Positive (RhD+)	6,8 %
	(3) Microplate - man.	>>>	4	Positive (RhD+)	2,7 %
	(4) Microplate reagent kit - aut.	>>>	2	Positive (RhD+)	1,4 %
	(5) Microplate reagent kit - man.	>>>	1	Positive (RhD+)	0,68 %

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2	(7) Column agglutination - automat	>>> 38	Positive (RhD+)	26 %
	(9) Column agglutination - manual	>>> 34	Positive (RhD+)	23 %
	(10) Solid phase	>>> 1	Positive (RhD+)	0,68 %
Total per sample: n = 148		Success: 100 %		
Total success: 100 %				
(715) Antigen C				
E1 and S1	(1) Tube test	>>> 18	Negative	24 %
	(2) Microplate - aut.	>>> 7	Negative	9,3 %
	(7) Column agglutination - automat	>>> 14	Negative	19 %
	(9) Column agglutination - manual	>>> 34	Negative	45 %
	(10) Solid phase	>>> 2	Negative	2,7 %
Total per sample: n = 75		Success: 100 %		
E2 and S2	(1) Tube test	>>> 18	Positive	24 %
	(2) Microplate - aut.	>>> 7	Positive	9,3 %
	(7) Column agglutination - automat	>>> 14	Positive	19 %
	(9) Column agglutination - manual	>>> 34	Positive	45 %
	(10) Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 75		Success: 100 %		
Total success: 100 %				
(716) Antigen c				
E1 and S1	(1) Tube test	>>> 18	Positive	24 %
	(2) Microplate - aut.	>>> 7	Positive	9,3 %
	(7) Column agglutination - automat	>>> 15	Positive	20 %
	(9) Column agglutination - manual	>>> 33	Positive	44 %
	(10) Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 75		Success: 100 %		
E2 and S2	(1) Tube test	>>> 18	Negative	24 %
	(2) Microplate - aut.	>>> 7	Negative	9,3 %
	(7) Column agglutination - automat	>>> 15	Negative	20 %
	(9) Column agglutination - manual	>>> 33	Negative	44 %
	(10) Solid phase	>>> 2	Negative	2,7 %
Total per sample: n = 75		Success: 100 %		
Total success: 100 %				
(717) Antigen Cw				
E1 and S1	(1) Tube test	>>> 19	Negative	31 %
	(2) Microplate - aut.	>>> 7	Negative	11 %
	(7) Column agglutination - automat	>>> 12	Negative	20 %
	(9) Column agglutination - manual	>>> 21	Negative	34 %
	(10) Solid phase	>>> 2	Negative	3,3 %
Total per sample: n = 61		Success: 100 %		
E2 and S2	(1) Tube test	>>> 19	Negative	31 %
	(2) Microplate - aut.	>>> 7	Negative	11 %
	(7) Column agglutination - automat	>>> 12	Negative	20 %
	(9) Column agglutination - manual	>>> 21	Negative	34 %
	(10) Solid phase	>>> 2	Negative	3,3 %
Total per sample: n = 61		Success: 100 %		
Total success: 100 %				
(718) Antigen E				
E1 and S1	(1) Tube test	>>> 18	Negative	24 %
	(2) Microplate - aut.	>>> 7	Negative	9,3 %
	(7) Column agglutination - automat	>>> 15	Negative	20 %
	(9) Column agglutination - manual	>>> 33	Negative	44 %
	(10) Solid phase	>>> 2	Negative	2,7 %
Total per sample: n = 75		Success: 100 %		
E2 and S2	(1) Tube test	>>> 18	Negative	24 %
	(2) Microplate - aut.	>>> 7	Negative	9,3 %
	(7) Column agglutination - automat	>>> 15	Negative	20 %
	(9) Column agglutination - manual	>>> 33	Negative	44 %
	(10) Solid phase	>>> 2	Negative	2,7 %
Total per sample: n = 75		Success: 100 %		
Total success: 100 %				
(719) Antigen e				
E1 and S1	(1) Tube test	>>> 18	Positive	24 %
	(2) Microplate - aut.	>>> 7	Positive	9,3 %
	(7) Column agglutination - automat	>>> 15	Positive	20 %
	(9) Column agglutination - manual	>>> 33	Positive	44 %

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 (10)	Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 75		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 18	Positive	24 %
	(2) Microplate - aut.	>>> 7	Positive	9,3 %
	(7) Column agglutination - automat	>>> 15	Positive	20 %
	(9) Column agglutination - manual	>>> 33	Positive	44 %
	(10) Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 75		Success: 100 %		
Total success: 100 %				
(720) Antigen K				
E1 and S1 (1)	Tube test	>>> 18	Negative	23 %
	(2) Microplate - aut.	>>> 7	Negative	9,0 %
	(7) Column agglutination - automat	>>> 16	Negative	21 %
	(9) Column agglutination - manual	>>> 35	Negative	45 %
	(10) Solid phase	>>> 2	Negative	2,6 %
Total per sample: n = 78		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 18	Negative	23 %
	(2) Microplate - aut.	>>> 7	Negative	9,0 %
	(7) Column agglutination - automat	>>> 16	Negative	21 %
	(9) Column agglutination - manual	>>> 35	Negative	45 %
	(10) Solid phase	>>> 2	Negative	2,6 %
Total per sample: n = 78		Success: 100 %		
Total success: 100 %				
(721) Antigen k				
E1 and S1 (0)	Not specified	>>> 2	Positive	4,5 %
	(1) Tube test	>>> 24	Positive	55 %
	(2) Microplate - aut.	>>> 1	Positive	2,3 %
	(7) Column agglutination - automat	>>> 5	Positive	11 %
	(9) Column agglutination - manual	>>> 11	Positive	25 %
	(10) Solid phase	>>> 1	Positive	2,3 %
Total per sample: n = 44		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 2	Positive	4,5 %
	(1) Tube test	>>> 24	Positive	55 %
	(2) Microplate - aut.	>>> 1	Positive	2,3 %
	(7) Column agglutination - automat	>>> 5	Positive	11 %
	(9) Column agglutination - manual	>>> 11	Positive	25 %
	(10) Solid phase	>>> 1	Positive	2,3 %
Total per sample: n = 44		Success: 100 %		
Total success: 100 %				
(722) Antigen M				
E1 and S1 (1)	Tube test	>>> 23	Positive	59 %
	(2) Microplate - aut.	>>> 3	Positive	7,7 %
	(7) Column agglutination - automat	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 12	Positive	31 %
Total per sample: n = 39		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 23	Positive	59 %
	(2) Microplate - aut.	>>> 3	Positive	7,7 %
	(7) Column agglutination - automat	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 12	Positive	31 %
Total per sample: n = 39		Success: 100 %		
Total success: 100 %				
(723) Antigen N				
E1 and S1 (1)	Tube test	>>> 18	Positive	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,9 %
	(7) Column agglutination - automat	>>> 2	Positive	5,7 %
	(9) Column agglutination - manual	>>> 14	Positive	40 %
Total per sample: n = 35		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 18	Positive	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,9 %
	(7) Column agglutination - automat	>>> 2	Positive	5,7 %
	(9) Column agglutination - manual	>>> 14	Positive	40 %
Total per sample: n = 35		Success: 100 %		
Total success: 100 %				
(724) Antigen S				
E1 and S1 (1)	Tube test	>>> 18	Negative	46 %
		1	Positive	2,6 %

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1	(2) Microplate - aut.	>>> 3	Negative	7,7 %
	(7) Column agglutination - automat	>>> 1	Negative	2,6 %
	(8) Lateral diffusion	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 14	Negative	36 %
	(10) Solid phase	>>> 1	Negative	2,6 %
Total per sample: n = 39		Success: 97 %		
E2 and S2	(1) Tube test	>>> 19	Negative	49 %
	(2) Microplate - aut.	>>> 3	Negative	7,7 %
	(7) Column agglutination - automat	>>> 1	Negative	2,6 %
	(8) Lateral diffusion	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 14	Negative	36 %
	(10) Solid phase	>>> 1	Negative	2,6 %
Total per sample: n = 39		Success: 100 %		
Total success: 97 %				
(725) Antigen s				
E1 and S1	(1) Tube test	>>> 18	Positive	46 %
	(2) Microplate - aut.	>>> 2	Positive	5,1 %
	(7) Column agglutination - automat	>>> 2	Positive	5,1 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 15	Positive	38 %
	(10) Solid phase	>>> 1	Positive	2,6 %
Total per sample: n = 39		Success: 100 %		
E2 and S2	(1) Tube test	>>> 18	Positive	46 %
	(2) Microplate - aut.	>>> 2	Positive	5,1 %
	(7) Column agglutination - automat	>>> 2	Positive	5,1 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 15	Positive	38 %
	(10) Solid phase	>>> 1	Positive	2,6 %
Total per sample: n = 39		Success: 100 %		
Total success: 100 %				
(726) Antigen P1				
E1 and S1	(1) Tube test	>>> 22	Positive	76 %
	(2) Microplate - aut.	>>> 1	Positive	3,4 %
	(7) Column agglutination - automat	>>> 1	Positive	3,4 %
	(9) Column agglutination - manual	>>> 5	Positive	17 %
Total per sample: n = 29		Success: 100 %		
E2 and S2	(1) Tube test	>>> 22	Positive	76 %
	(2) Microplate - aut.	>>> 1	Positive	3,4 %
	(7) Column agglutination - automat	>>> 1	Positive	3,4 %
	(9) Column agglutination - manual	>>> 5	Positive	17 %
Total per sample: n = 29		Success: 100 %		
Total success: 100 %				
(727) Antigen Fya				
E1 and S1	(1) Tube test	>>> 15	Negative	38 %
	(2) Microplate - aut.	>>> 1	Negative	2,5 %
	(7) Column agglutination - automat	>>> 2	Negative	5,0 %
	(8) Lateral diffusion	>>> 1	Negative	2,5 %
	(9) Column agglutination - manual	>>> 19	Negative	48 %
	(10) Solid phase	>>> 2	Negative	5,0 %
Total per sample: n = 40		Success: 100 %		
E2 and S2	(1) Tube test	>>> 1	Negative	2,5 %
	(2) Microplate - aut.	>>> 14	Positive	35 %
	(7) Column agglutination - automat	>>> 1	Positive	2,5 %
	(8) Lateral diffusion	>>> 2	Positive	5,0 %
	(9) Column agglutination - manual	>>> 1	Positive	2,5 %
	(9) Column agglutination - manual	>>> 19	Positive	48 %
	(10) Solid phase	>>> 2	Positive	5,0 %
Total per sample: n = 40		Success: 98 %		
Total success: 98 %				
(728) Antigen Fyb				
E1 and S1	(1) Tube test	>>> 15	Positive	38 %
	(2) Microplate - aut.	>>> 1	Positive	2,5 %
	(7) Column agglutination - automat	>>> 2	Positive	5,0 %
	(8) Lateral diffusion	>>> 1	Positive	2,5 %
	(9) Column agglutination - manual	>>> 19	Positive	48 %
	(10) Solid phase	>>> 2	Positive	5,0 %
Total per sample: n = 40		Success: 100 %		

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2	(1) Tube test	>>> 15	Positive	38 %
	(2) Microplate - aut.	>>> 1	Positive	2,5 %
	(7) Column agglutination - automat	>>> 2	Positive	5,0 %
	(8) Lateral diffusion	>>> 1	Positive	2,5 %
	(9) Column agglutination - manual	>>> 19	Positive	48 %
	(10) Solid phase	>>> 2	Positive	5,0 %
Total per sample: n = 40		Success: 100 %		
Total success: 100 %				
(729) Antigen Jka				
E1 and S1	(1) Tube test	>>> 21	Negative	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,4 %
	(7) Column agglutination - automat	>>> 2	Negative	4,9 %
	(8) Lateral diffusion	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 14	Negative	34 %
Total per sample: n = 41		Success: 98 %		
E2 and S2	(1) Tube test	>>> 22	Positive	54 %
	(2) Microplate - aut.	>>> 2	Positive	4,9 %
	(7) Column agglutination - automat	>>> 2	Positive	4,9 %
	(8) Lateral diffusion	>>> 1	Positive	2,4 %
	(9) Column agglutination - manual	>>> 14	Positive	34 %
Total per sample: n = 41		Success: 100 %		
Total success: 98 %				
(730) Antigen Jkb				
E1 and S1	(1) Tube test	>>> 22	Positive	54 %
	(2) Microplate - aut.	>>> 2	Positive	4,9 %
	(7) Column agglutination - automat	>>> 2	Positive	4,9 %
	(8) Lateral diffusion	>>> 1	Positive	2,4 %
	(9) Column agglutination - manual	>>> 14	Positive	34 %
Total per sample: n = 41		Success: 100 %		
E2 and S2	(1) Tube test	>>> 21	Negative	51 %
	(2) Microplate - aut.	>>> 1	Positive	2,4 %
	(7) Column agglutination - automat	>>> 2	Negative	4,9 %
	(8) Lateral diffusion	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 14	Negative	34 %
Total per sample: n = 41		Success: 98 %		
Total success: 98 %				
(731) Antigen Lua				
E1 and S1	(1) Tube test	>>> 10	Negative	38 %
	(7) Column agglutination - automat	>>> 2	Negative	7,7 %
	(9) Column agglutination - manual	>>> 14	Negative	54 %
Total per sample: n = 26		Success: 100 %		
E2 and S2	(1) Tube test	>>> 10	Negative	38 %
	(7) Column agglutination - automat	>>> 2	Negative	7,7 %
	(9) Column agglutination - manual	>>> 14	Negative	54 %
Total per sample: n = 26		Success: 100 %		
Total success: 100 %				
(732) Antigen Lub				
E1 and S1	(1) Tube test	>>> 12	Positive	46 %
	(7) Column agglutination - automat	>>> 2	Positive	7,7 %
	(9) Column agglutination - manual	>>> 12	Positive	46 %
Total per sample: n = 26		Success: 100 %		
E2 and S2	(1) Tube test	>>> 12	Positive	46 %
	(7) Column agglutination - automat	>>> 2	Positive	7,7 %
	(9) Column agglutination - manual	>>> 12	Positive	46 %
Total per sample: n = 26		Success: 100 %		
Total success: 100 %				
(733) Antigen Lea				
E1 and S1	(1) Tube test	>>> 20	Negative	61 %
	(7) Column agglutination - automat	>>> 2	Negative	6,1 %
	(9) Column agglutination - manual	>>> 11	Negative	33 %
Total per sample: n = 33		Success: 100 %		
E2 and S2	(1) Tube test	>>> 20	Negative	61 %
	(7) Column agglutination - automat	>>> 2	Negative	6,1 %
	(9) Column agglutination - manual	>>> 11	Negative	33 %

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
Total per sample: n = 33		Success: 100 %		
Total success: 100 %				
(734) Antigen Leb				
E1 and S1	(1) Tube test	>>> 20	Positive	61 %
	(7) Column agglutination - automat	>>> 2	Positive	6,1 %
	(9) Column agglutination - manual	1	Negative	3,0 %
		>>> 10	Positive	30 %
Total per sample: n = 33		Success: 97 %		
E2 and S2	(1) Tube test	>>> 20	Positive	61 %
	(7) Column agglutination - automat	>>> 2	Positive	6,1 %
	(9) Column agglutination - manual	>>> 11	Positive	33 %
Total per sample: n = 33		Success: 100 %		
Total success: 97 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1	(1) Tube test: IAT	>>> 6	Negative	4,6 %
	(3) Column agglut.: IAT - automat	>>> 29	Negative	22 %
	(5) Solid phase	>>> 1	Negative	0,77 %
	(6) Microplate: IAT	>>> 1	Negative	0,77 %
	(8) Column agglut.: IAT - manual	>>> 92	Negative	71 %
	(9) Column agglut.: enzyme - manual	>>> 1	Negative	0,77 %
Total per sample: n = 130		Success: 100 %		
E2 and S2	(1) Tube test: IAT	>>> 6	Negative	4,6 %
	(3) Column agglut.: IAT - automat	>>> 29	Negative	22 %
	(5) Solid phase	>>> 1	Negative	0,77 %
	(6) Microplate: IAT	>>> 1	Negative	0,77 %
	(8) Column agglut.: IAT - manual	>>> 92	Negative	71 %
	(9) Column agglut.: enzyme - manual	>>> 1	Negative	0,77 %
Total per sample: n = 130		Success: 100 %		
Total success: 100 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1	(0) Not specified	>>> 2	Positive	2,4 %
	(1) Tube test: IAT	>>> 2	Positive	2,4 %
	(3) Column agglut.: IAT - automat	>>> 21	Positive	26 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	1,2 %
	(5) Solid phase	>>> 12	Positive	15 %
	(6) Microplate: IAT	>>> 2	Positive	2,4 %
	(8) Column agglut.: IAT - manual	>>> 42	Positive	51 %
Total per sample: n = 82		Success: 100 %		
E2 and S2	(0) Not specified	>>> 2	Positive	2,4 %
	(1) Tube test: IAT	>>> 2	Positive	2,4 %
	(3) Column agglut.: IAT - automat	> 15	Negative	18 %
		>>> 6	Positive	7,3 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	1,2 %
	(5) Solid phase	> 2	Negative	2,4 %
		>>> 10	Positive	12 %
	(6) Microplate: IAT	> 1	Negative	1,2 %
		>>> 1	Positive	1,2 %
	(8) Column agglut.: IAT - manual	> 29	Negative	35 %
		>>> 13	Positive	16 %
Total per sample: n = 82		Success: 100 %		
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1	(0) Not specified	>>> 1	Positive	0,72 %
	(1) Tube test: IAT	>>> 1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	>>> 36	Positive	26 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,72 %
	(5) Solid phase	>>> 5	Positive	3,6 %
	(6) Microplate: IAT	>>> 1	Positive	0,72 %
	(8) Column agglut.: IAT - manual	>>> 93	Positive	67 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,72 %
Total per sample: n = 139		Success: 100 %		
E2 and S2	(0) Not specified	> 1	Negative	0,72 %
	(1) Tube test: IAT	>>> 1	Positive	0,72 %
	(3) Column agglut.: IAT - automat	> 22	Negative	16 %
		>>> 14	Positive	10 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,72 %
	(5) Solid phase	>>> 5	Positive	3,6 %
	(6) Microplate: IAT	> 1	Negative	0,72 %

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (8)	Column agglut.: IAT - manual	>	61 Negative	44 %
		>>>	32 Positive	23 %
	(9) Column agglut.: enzyme - manual	>	1 Negative	0,72 %
Total per sample: n = 139			Success: 100 %	
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 (1)	Tube test: IAT	>>>	2 Positive	1,7 %
	(3) Column agglut.: IAT - automat	>>>	34 Positive	29 %
	(5) Solid phase	>>>	5 Positive	4,3 %
	(6) Microplate: IAT	>>>	1 Positive	0,86 %
	(8) Column agglut.: IAT - manual	>>>	74 Positive	64 %
Total per sample: n = 116			Success: 100 %	
E2 and S2 (1)	Tube test: IAT	>	1 Negative	0,86 %
		>>>	1 Positive	0,86 %
	(3) Column agglut.: IAT - automat	>	19 Negative	16 %
		>>>	15 Positive	13 %
	(5) Solid phase	>>>	5 Positive	4,3 %
	(6) Microplate: IAT	>	1 Negative	0,86 %
	(8) Column agglut.: IAT - manual	>	46 Negative	40 %
		>>>	28 Positive	24 %
Total per sample: n = 116			Success: 100 %	
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 (2)	Tube test: enzyme	>>>	2 Positive	1,9 %
	(3) Column agglut.: IAT - automat	>>>	1 Positive	0,97 %
	(4) Column agglut.: enzyme - automat		1 Negative	0,97 %
		>>>	22 Positive	21 %
	(7) Microplate: enzyme		1 Negative	0,97 %
	(8) Column agglut.: IAT - manual		1 Negative	0,97 %
		>>>	3 Positive	2,9 %
	(9) Column agglut.: enzyme - manual		15 Negative	15 %
		>>>	57 Positive	55 %
Total per sample: n = 103			Success: 83 %	
E2 and S2 (2)	Tube test: enzyme	>>>	2 Positive	1,9 %
	(3) Column agglut.: IAT - automat	>>>	1 Positive	0,97 %
	(4) Column agglut.: enzyme - automat	>>>	23 Positive	22 %
	(7) Microplate: enzyme	>>>	1 Positive	0,97 %
	(8) Column agglut.: IAT - manual		1 Negative	0,97 %
		>>>	3 Positive	2,9 %
	(9) Column agglut.: enzyme - manual		1 Negative	0,97 %
		>>>	71 Positive	69 %
Total per sample: n = 103			Success: 98 %	
Total success: 82 %				
(750) Antibody identification				
E1 and S1 (0)	Not specified		3 anti-K	6,7 %
		>>>	42 anti-K; anti-Kpa	93 %
Total per sample: n = 45			Success: 93 %	
E2 and S2 (0)	Not specified	>	1 Not specified	2,2 %
		>	1 Antibody not present	2,2 %
		>>>	43 anti-Jkb	96 %
Total per sample: n = 45			Success: 100 %	
Total success: 93 %				
(752) Antibody titre, Sample 1: 1st antibody				
E1 and S1 (0)	Not specified	±	1 titre 16	3,2 %
	(3) Column agglut.+ homozyg. expres.	±	1 titre 32	3,2 %
	(4) Column agglut.+ heterozyg. expres.	±	11 titre 16	35 %
		±	17 titre 32	55 %
		±	1 titre 128	3,2 %
Total per sample: n = 31			Success (only evaluated results): evaluation	
(753) Antibody titre, Sample 1: 2nd antibody				
E1 and S1 (0)	Not specified	±	1 titre 2	3,7 %
	(3) Column agglut.+ homozyg. expres.	±	1 titre 0 (not measurable)	3,7 %
		±	2 titre 1	7,4 %
		±	2 titre 2	7,4 %
	(4) Column agglut.+ heterozyg. expres.	±	1 titre 0 (not measurable)	3,7 %
		±	6 titre 1	22 %
		±	10 titre 2	37 %

Test	Sample	Group	N	Result	N _{rel}
	E1 and S1	(4) Column agglut.+ heterozyg. expres.	± 3	titre 4	11 %
		(99) Another measurement principle	± 1	titre 2	3,7 %
	Total per sample: n = 27		Success (only evaluated results): evaluation		

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

	E2 and S2	(0) Not specified	± 1	titre 1	4,8 %
		(3) Column agglut.+ homozyg. expres.	± 1	titre 0 (not measurable)	4,8 %
			± 2	titre 1	9,5 %
			± 2	titre 2	9,5 %
			± 1	titre 4	4,8 %
		(4) Column agglut.+ heterozyg. expres.	± 3	titre 0 (not measurable)	14 %
			± 7	titre 1	33 %
			± 1	titre 2	4,8 %
			± 2	titre 4	9,5 %
			± 1	titre 64	4,8 %
Total per sample: n = 21		Success (only evaluated results): evaluation			

Set 3**(760) Crossmatch**

S1	All results	1	Crossmatch not successful	0,80 %
		>>> 124	Crossmatch successful	99 %
Total per sample: n = 125		Success: 99 %		
S2	All results	>>> 125	Crossmatch successful	100 %
		Total per sample: n = 125 Success: 100 %		
Total success: 99 %				

(761) Crossmatch (segment K1)

S1	(0) Not specified	>>> 1	Negative test	0,80 %		
		>>> 23	Negative test	18 %		
		>>> 4	Negative test	3,2 %		
		>>> 1	Negative test	0,80 %		
		>>> 93	Negative test	74 %		
		1	Positive test	0,80 %		
		>>> 1	Negative test	0,80 %		
		>>> 1	Negative test	0,80 %		
		Total per sample: n = 125		Success: 99 %		
		S2	(0) Not specified	> 1	Negative test	0,80 %
> 12	Negative test			9,6 %		
>>> 11	Positive test			8,8 %		
> 3	Negative test			2,4 %		
>>> 1	Positive test			0,80 %		
> 1	Negative test			0,80 %		
> 79	Negative test			63 %		
>>> 15	Positive test			12 %		
> 1	Negative test			0,80 %		
>>> 1	Positive test			0,80 %		
Total per sample: n = 125		Success: 100 %				
Total success: 99 %						

(762) Serve transfusion product (segment K1)

S1	(0) Not specified	± 3	Impossible, risk of haemolysis	2,4 %
		± 72	Decision depends on results of other tests not performed in our laboratory	58 %
		± 19	Only if more suitable products are not available	15 %
		± 31	Possible	25 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	(0) Not specified	± 46	Impossible, risk of haemolysis	37 %
		± 45	Decision depends on results of other tests not performed in our laboratory	36 %
		± 8	Only if more suitable products are not available	6,4 %
		± 26	Possible	21 %
Total per sample: n = 125		Success (only evaluated results): evaluation		

(764) Crossmatch (segment K2)

S1	(0) Not specified	>>> 1	Positive test	0,80 %
		>>> 24	Positive test	19 %
		>>> 4	Positive test	3,2 %
		>>> 1	Positive test	0,80 %
		>>> 1	Negative test	0,80 %
		>>> 92	Positive test	74 %
		>>> 1	Positive test	0,80 %
		>>> 1	Positive test	0,80 %

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: IH4/21 - Blood Group Serology

Deadline: 19.11.2021

Test

Sample	Group	N	Result	N _{rel}
Total per sample: n = 125		Success: 99 %		
S2	(0) Not specified	>>> 1	Negative test	0,80 %
	(3) Column agglut.: IAT - automat	>>> 24	Negative test	19 %
	(5) Solid phase	>>> 4	Negative test	3,2 %
	(6) Microplate: IAT	>>> 1	Negative test	0,80 %
	(8) Column agglut.: IAT - manual	>>> 93	Negative test	74 %
	(9) Column agglut.: enzyme - manual	>>> 1	Negative test	0,80 %
	(99) Another measurement principle	>>> 1	Negative test	0,80 %
Total per sample: n = 125		Success: 100 %		
Total success: 99 %				

(765) Serve transfusion product (segment K2)

S1	(0) Not specified	± 121	Impossible, risk of haemolysis	97 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,6 %
		± 1	Only if more suitable products are not available	0,80 %
		± 1	Possible	0,80 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	(0) Not specified	± 3	Impossible, risk of haemolysis	2,4 %
		± 51	Decision depends on results of other tests not performed in our laboratory	41 %
		± 21	Only if more suitable products are not available	17 %
		± 50	Possible	40 %
Total per sample: n = 125		Success (only evaluated results): evaluation		

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End of report

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