

EQA round: IH4/20 - Blood Group Serology

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	37 %
	(2) Microplate - aut.	>>>	10	Blood group: A	6,4 %
	(3) Microplate - man.	>>>	5	Blood group: A	3,2 %
	(4) Microplate reagent kit - aut.	>>>	4	Blood group: A	2,6 %
	(5) Microplate reagent kit - man.	>>>	3	Blood group: A	1,9 %
	(7) Column agglutination - automat	>>>	38	Blood group: A	24 %
	(9) Column agglutination - manual	>>>	37	Blood group: A	24 %
	(10) Solid phase	>>>	1	Blood group: A	0,64 %
Total per sample: n = 156		Success:	100 %		

E2 and S2	(1) Tube test	>>>	58	Blood group: 0	37 %
	(2) Microplate - aut.	>>>	10	Blood group: 0	6,4 %
	(3) Microplate - man.	>>>	5	Blood group: 0	3,2 %
	(4) Microplate reagent kit - aut.	>>>	4	Blood group: 0	2,6 %
	(5) Microplate reagent kit - man.	>>>	3	Blood group: 0	1,9 %
	(7) Column agglutination - automat	>>>	38	Blood group: 0	24 %
	(9) Column agglutination - manual	>>>	37	Blood group: 0	24 %
	(10) Solid phase	>>>	1	Blood group: 0	0,64 %
Total per sample: n = 156		Success:	100 %		

Total success: 100 %

(703) A subgroup

E1 and S1	(0) Not specified	>>>	50	A subgroup A1	100 %
Total per sample: n = 50		Success:	100 %		

E2 and S2	(0) Not specified	>>>	50	Not specified	100 %
Total per sample: n = 50		Success:	100 %		

Total success: 100 %

(705) Rh D antigen (blood-donor)

E1 and S1	(1) Tube test	>>>	35	Positive (RhD+)	39 %
	(2) Microplate - aut.	>>>	10	Positive (RhD+)	11 %
	(3) Microplate - man.	>>>	2	Positive (RhD+)	2,2 %
	(4) Microplate reagent kit - aut.	>>>	4	Positive (RhD+)	4,4 %
	(7) Column agglutination - automat	>>>	21	Positive (RhD+)	23 %
	(9) Column agglutination - manual	>>>	17	Positive (RhD+)	19 %
	(10) Solid phase	>>>	1	Positive (RhD+)	1,1 %
Total per sample: n = 90		Success:	100 %		

E2 and S2	(1) Tube test	>>>	35	Negative (RhD-)	39 %
	(2) Microplate - aut.	>>>	10	Negative (RhD-)	11 %
	(3) Microplate - man.	>>>	2	Negative (RhD-)	2,2 %
	(4) Microplate reagent kit - aut.	>>>	4	Negative (RhD-)	4,4 %
	(7) Column agglutination - automat	>>>	21	Negative (RhD-)	23 %
	(9) Column agglutination - manual	>>>	17	Negative (RhD-)	19 %
	(10) Solid phase	>>>	1	Negative (RhD-)	1,1 %
Total per sample: n = 90		Success:	100 %		

Total success: 100 %

(709) Rh D antigen (recipient)

E1 and S1	(0) Not specified	>>>	1	Positive (RhD+)	0,68 %
	(1) Tube test	>>>	58	Positive (RhD+)	39 %
	(2) Microplate - aut.	>>>	8	Positive (RhD+)	5,4 %
	(3) Microplate - man.	>>>	4	Positive (RhD+)	2,7 %
	(4) Microplate reagent kit - aut.	>>>	4	Positive (RhD+)	2,7 %
	(5) Microplate reagent kit - man.	>>>	2	Positive (RhD+)	1,4 %
	(7) Column agglutination - automat	>>>	34	Positive (RhD+)	23 %
	(9) Column agglutination - manual	>>>	36	Positive (RhD+)	24 %
	(10) Solid phase	>>>	1	Positive (RhD+)	0,68 %
Total per sample: n = 148		Success:	100 %		

E2 and S2	(0) Not specified	>>>	1	Negative (RhD-)	0,68 %
	(1) Tube test	>>>	58	Negative (RhD-)	39 %
	(2) Microplate - aut.	>>>	8	Negative (RhD-)	5,4 %
	(3) Microplate - man.	>>>	4	Negative (RhD-)	2,7 %
	(4) Microplate reagent kit - aut.	>>>	4	Negative (RhD-)	2,7 %
	(5) Microplate reagent kit - man.	>>>	2	Negative (RhD-)	1,4 %
	(7) Column agglutination - automat	>>>	34	Negative (RhD-)	23 %
	(9) Column agglutination - manual	>>>	36	Negative (RhD-)	24 %

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Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (10)	Solid phase	>>> 1	Negative (RhD-)	0,68 %
Total per sample: n = 148		Success: 100 %		
Total success: 100 %				

(715) Antigen C

E1 and S1 (1)	Tube test	>>> 19	Positive	29 %
	(2) Microplate - aut.	>>> 4	Positive	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Positive	3,0 %
	(7) Column agglutination - automat	>>> 7	Positive	11 %
	(8) Lateral diffusion	>>> 1	Positive	1,5 %
	(9) Column agglutination - manual	>>> 31	Positive	47 %
	(10) Solid phase	>>> 2	Positive	3,0 %
Total per sample: n = 66		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 19	Negative	29 %
	(2) Microplate - aut.	>>> 4	Negative	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Negative	3,0 %
	(7) Column agglutination - automat	>>> 7	Negative	11 %
	(8) Lateral diffusion	>>> 1	Negative	1,5 %
	(9) Column agglutination - manual	>>> 31	Negative	47 %
	(10) Solid phase	>>> 2	Negative	3,0 %
Total per sample: n = 66		Success: 100 %		
Total success: 100 %				

(716) Antigen c

E1 and S1 (1)	Tube test	>>> 19	Negative	29 %
	(2) Microplate - aut.	>>> 4	Negative	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Negative	3,0 %
	(7) Column agglutination - automat	>>> 7	Negative	11 %
	(8) Lateral diffusion	>>> 1	Negative	1,5 %
	(9) Column agglutination - manual	>>> 31	Negative	47 %
	(10) Solid phase	>>> 2	Negative	3,0 %
Total per sample: n = 66		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 19	Positive	29 %
	(2) Microplate - aut.	>>> 4	Positive	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Positive	3,0 %
	(7) Column agglutination - automat	>>> 7	Positive	11 %
	(8) Lateral diffusion	>>> 1	Positive	1,5 %
	(9) Column agglutination - manual	>>> 31	Positive	47 %
	(10) Solid phase	>>> 2	Positive	3,0 %
Total per sample: n = 66		Success: 100 %		
Total success: 100 %				

(717) Antigen Cw

E1 and S1 (1)	Tube test	>>> 19	Negative	36 %
	(2) Microplate - aut.	>>> 4	Negative	7,5 %
	(7) Column agglutination - automat	>>> 7	Negative	13 %
	(8) Lateral diffusion	>>> 1	Negative	1,9 %
	(9) Column agglutination - manual	>>> 20	Negative	38 %
	(10) Solid phase	>>> 2	Negative	3,8 %
Total per sample: n = 53		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 19	Negative	36 %
	(2) Microplate - aut.	>>> 4	Negative	7,5 %
	(7) Column agglutination - automat	>>> 7	Negative	13 %
	(8) Lateral diffusion	>>> 1	Negative	1,9 %
	(9) Column agglutination - manual	>>> 20	Negative	38 %
	(10) Solid phase	>>> 2	Negative	3,8 %
Total per sample: n = 53		Success: 100 %		
Total success: 100 %				

(718) Antigen E

E1 and S1 (1)	Tube test	>>> 19	Negative	29 %
	(2) Microplate - aut.	>>> 4	Negative	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Negative	3,0 %
	(7) Column agglutination - automat	>>> 7	Negative	11 %
	(8) Lateral diffusion	>>> 1	Negative	1,5 %
	(9) Column agglutination - manual	>>> 31	Negative	47 %
	(10) Solid phase	>>> 2	Negative	3,0 %
Total per sample: n = 66		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 19	Positive	29 %
	(2) Microplate - aut.	>>> 4	Positive	6,1 %
	(4) Microplate reagent kit - aut.	>>> 2	Positive	3,0 %

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Test	Sample	Group	N	Result	N _{rel}		
E2 and S2	(7)	Column agglutination - automat	>>>	7	Positive	11 %	
	(8)	Lateral diffusion	>>>	1	Positive	1,5 %	
	(9)	Column agglutination - manual	>>>	31	Positive	47 %	
	(10)	Solid phase	>>>	2	Positive	3,0 %	
	Total per sample: n = 66			Success: 100 %			
Total success: 100 %							
(719) Antigen e							
E1 and S1	(1)	Tube test	>>>	19	Positive	29 %	
	(2)	Microplate - aut.	>>>	4	Positive	6,1 %	
	(4)	Microplate reagent kit - aut.	>>>	2	Positive	3,0 %	
	(7)	Column agglutination - automat	>>>	7	Positive	11 %	
	(8)	Lateral diffusion	>>>	1	Positive	1,5 %	
	(9)	Column agglutination - manual	>>>	31	Positive	47 %	
	(10)	Solid phase	>>>	2	Positive	3,0 %	
	Total per sample: n = 66			Success: 100 %			
	E2 and S2	(1)	Tube test	>>>	19	Positive	29 %
		(2)	Microplate - aut.	>>>	4	Positive	6,1 %
(4)		Microplate reagent kit - aut.	>>>	2	Positive	3,0 %	
(7)		Column agglutination - automat	>>>	7	Positive	11 %	
(8)		Lateral diffusion	>>>	1	Positive	1,5 %	
(9)		Column agglutination - manual	>>>	31	Positive	47 %	
(10)		Solid phase	>>>	2	Positive	3,0 %	
Total per sample: n = 66			Success: 100 %				
Total success: 100 %							
(720) Antigen K							
E1 and S1	(1)	Tube test	>>>	19	Negative	27 %	
	(2)	Microplate - aut.	>>>	4	Negative	5,6 %	
	(4)	Microplate reagent kit - aut.	>>>	2	Negative	2,8 %	
	(7)	Column agglutination - automat	>>>	9	Negative	13 %	
	(9)	Column agglutination - manual	>>>	35	Negative	49 %	
	(10)	Solid phase	>>>	2	Negative	2,8 %	
	Total per sample: n = 71			Success: 100 %			
	E2 and S2	(1)	Tube test	>>>	19	Negative	27 %
		(2)	Microplate - aut.	>>>	4	Negative	5,6 %
		(4)	Microplate reagent kit - aut.	>>>	2	Negative	2,8 %
(7)		Column agglutination - automat	>>>	9	Negative	13 %	
(9)		Column agglutination - manual	>>>	35	Negative	49 %	
(10)		Solid phase	>>>	2	Negative	2,8 %	
Total per sample: n = 71			Success: 100 %				
Total success: 100 %							
(721) Antigen k							
E1 and S1		(1)	Tube test	>>>	21	Positive	54 %
	(2)	Microplate - aut.	>>>	1	Positive	2,6 %	
	(7)	Column agglutination - automat	>>>	3	Positive	7,7 %	
	(9)	Column agglutination - manual	>>>	13	Positive	33 %	
	(10)	Solid phase	>>>	1	Positive	2,6 %	
Total per sample: n = 39			Success: 100 %				
E2 and S2	(1)	Tube test	>>>	21	Positive	54 %	
	(2)	Microplate - aut.	>>>	1	Positive	2,6 %	
	(7)	Column agglutination - automat	>>>	3	Positive	7,7 %	
	(9)	Column agglutination - manual	>>>	13	Positive	33 %	
	(10)	Solid phase	>>>	1	Positive	2,6 %	
Total per sample: n = 39			Success: 100 %				
Total success: 100 %							
(722) Antigen M							
E1 and S1	(1)	Tube test	>>>	23	Positive	62 %	
	(2)	Microplate - aut.	>>>	2	Positive	5,4 %	
	(9)	Column agglutination - manual	>>>	12	Positive	32 %	
Total per sample: n = 37			Success: 100 %				
E2 and S2	(1)	Tube test	>>>	23	Positive	62 %	
	(2)	Microplate - aut.	>>>	2	Positive	5,4 %	
	(9)	Column agglutination - manual	>>>	12	Positive	32 %	
Total per sample: n = 37			Success: 100 %				
Total success: 100 %							
(723) Antigen N							
E1 and S1	(1)	Tube test	>>>	19	Negative	56 %	

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Test		N	Result	N _{rel}
Sample	Group			
E1 and S1	(2) Microplate - aut.	>>> 1	Negative	2,9 %
	(9) Column agglutination - manual	>>> 14	Negative	41 %
----- Total per sample: n = 34 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 19	Positive	56 %
	(2) Microplate - aut.	>>> 1	Positive	2,9 %
	(9) Column agglutination - manual	>>> 14	Positive	41 %
----- Total per sample: n = 34 -----		Success: 100 %		
Total success: 100 %				
(724) Antigen S				
E1 and S1	(1) Tube test	>>> 20	Negative	54 %
	(2) Microplate - aut.	>>> 1	Negative	2,7 %
	(9) Column agglutination - manual	>>> 14	Negative	38 %
	(10) Solid phase	>>> 2	Negative	5,4 %
----- Total per sample: n = 37 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 20	Positive	54 %
	(2) Microplate - aut.	>>> 1	Positive	2,7 %
	(9) Column agglutination - manual	>>> 14	Positive	38 %
	(10) Solid phase	>>> 2	Positive	5,4 %
----- Total per sample: n = 37 -----		Success: 100 %		
Total success: 100 %				
(725) Antigen s				
E1 and S1	(1) Tube test	>>> 17	Positive	49 %
	(2) Microplate - aut.	>>> 1	Positive	2,9 %
	(9) Column agglutination - manual	>>> 15	Positive	43 %
	(10) Solid phase	>>> 2	Positive	5,7 %
----- Total per sample: n = 35 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 17	Negative	49 %
	(2) Microplate - aut.	>>> 1	Negative	2,9 %
	(9) Column agglutination - manual	>>> 15	Negative	43 %
	(10) Solid phase	>>> 2	Negative	5,7 %
----- Total per sample: n = 35 -----		Success: 100 %		
Total success: 100 %				
(726) Antigen P1				
E1 and S1	(1) Tube test	>>> 22	Positive	79 %
	(2) Microplate - aut.	>>> 1	Positive	3,6 %
	(9) Column agglutination - manual	>>> 5	Positive	18 %
----- Total per sample: n = 28 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 22	Negative	79 %
	(2) Microplate - aut.	>>> 1	Negative	3,6 %
	(9) Column agglutination - manual	>>> 5	Negative	18 %
----- Total per sample: n = 28 -----		Success: 100 %		
Total success: 100 %				
(727) Antigen Fya				
E1 and S1	(1) Tube test	>>> 16	Positive	42 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 19	Positive	50 %
	(10) Solid phase	>>> 2	Positive	5,3 %
----- Total per sample: n = 38 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 16	Positive	42 %
	(2) Microplate - aut.	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 19	Positive	50 %
	(10) Solid phase	>>> 2	Positive	5,3 %
----- Total per sample: n = 38 -----		Success: 97 %		
Total success: 97 %				
(728) Antigen Fyb				
E1 and S1	(1) Tube test	>>> 16	Positive	42 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 19	Positive	50 %
	(10) Solid phase	>>> 2	Positive	5,3 %
----- Total per sample: n = 38 -----		Success: 100 %		
E2 and S2	(1) Tube test	>>> 16	Negative	42 %
	(2) Microplate - aut.	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 19	Negative	50 %
	(10) Solid phase	>>> 2	Negative	5,3 %
----- Total per sample: n = 38 -----		Success: 100 %		
Total success: 100 %				

Test		N	Result	N _{rel}
Sample	Group			
(729) Antigen Jka				
E1 and S1	(1) Tube test	>>> 21	Positive	57 %
	(2) Microplate - aut.	>>> 3	Positive	8,1 %
	(9) Column agglutination - manual	>>> 13	Positive	35 %
Total per sample: n = 37		Success: 100 %	-	
E2 and S2	(1) Tube test	>>> 21	Positive	57 %
	(2) Microplate - aut.	>>> 3	Positive	8,1 %
	(9) Column agglutination - manual	>>> 13	Positive	35 %
Total per sample: n = 37		Success: 100 %	-	
Total success: 100 %				
(730) Antigen Jkb				
E1 and S1	(1) Tube test	>>> 22	Positive	59 %
	(2) Microplate - aut.	>>> 3	Positive	8,1 %
	(9) Column agglutination - manual	>>> 12	Positive	32 %
Total per sample: n = 37		Success: 100 %	-	
E2 and S2	(1) Tube test	>>> 22	Negative	59 %
	(2) Microplate - aut.	>>> 3	Negative	8,1 %
	(9) Column agglutination - manual	>>> 12	Negative	32 %
Total per sample: n = 37		Success: 100 %	-	
Total success: 100 %				
(731) Antigen Lua				
E1 and S1	(1) Tube test	>>> 10	Negative	43 %
	(9) Column agglutination - manual	>>> 13	Negative	57 %
Total per sample: n = 23		Success: 100 %	-	
E2 and S2	(1) Tube test	>>> 10	Negative	43 %
	(9) Column agglutination - manual	>>> 13	Negative	57 %
Total per sample: n = 23		Success: 100 %	-	
Total success: 100 %				
(732) Antigen Lub				
E1 and S1	(1) Tube test	1	Negative	3,8 %
	(7) Column agglutination - automat	>>> 12	Positive	46 %
	(9) Column agglutination - manual	>>> 1	Positive	3,8 %
	(9) Column agglutination - manual	>>> 12	Positive	46 %
Total per sample: n = 26		Success: 96 %	-	
E2 and S2	(1) Tube test	1	Negative	3,8 %
	(7) Column agglutination - automat	>>> 12	Positive	46 %
	(9) Column agglutination - automat	>>> 1	Positive	3,8 %
	(9) Column agglutination - manual	>>> 12	Positive	46 %
Total per sample: n = 26		Success: 96 %	-	
Total success: 96 %				
(733) Antigen Lea				
E1 and S1	(1) Tube test	>>> 24	Negative	69 %
	(9) Column agglutination - manual	>>> 1	Positive	2,9 %
	(9) Column agglutination - manual	>>> 10	Negative	29 %
Total per sample: n = 35		Success: 97 %	-	
E2 and S2	(1) Tube test	>>> 25	Negative	71 %
	(9) Column agglutination - manual	>>> 10	Negative	29 %
Total per sample: n = 35		Success: 100 %	-	
Total success: 97 %				
(734) Antigen Leb				
E1 and S1	(1) Tube test	1	Negative	2,9 %
	(9) Column agglutination - manual	>>> 24	Positive	69 %
	(9) Column agglutination - manual	>>> 10	Positive	29 %
Total per sample: n = 35		Success: 97 %	-	
E2 and S2	(1) Tube test	>>> 25	Positive	71 %
	(9) Column agglutination - manual	>>> 10	Positive	29 %
Total per sample: n = 35		Success: 100 %	-	
Total success: 97 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1	(1) Tube test: IAT	>>> 7	Negative	5,6 %
	(3) Column agglut.: IAT - automat	>>> 27	Negative	21 %
	(5) Solid phase	>>> 1	Negative	0,79 %
	(6) Microplate: IAT	>>> 1	Negative	0,79 %
	(8) Column agglut.: IAT - manual	>>> 90	Negative	71 %
Total per sample: n = 126		Success: 100 %	-	
E2 and S2	(1) Tube test: IAT	>>> 7	Negative	5,6 %
	(3) Column agglut.: IAT - automat	>>> 27	Negative	21 %

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Test

Sample	Group	N	Result	N _{rel}
E2 and S2	(5) Solid phase	>>> 1	Negative	0,79 %
	(6) Microplate: IAT	>>> 1	Negative	0,79 %
	(8) Column agglut.: IAT - manual	>>> 90	Negative	71 %
Total per sample: n = 126		Success: 100 %		
Total success: 100 %				

(741) Antibody screening (IAT, blood donor)

E1 and S1	(1) Tube test: IAT	>>> 2	Positive	2,5 %
	(3) Column agglut.: IAT - automat	>>> 22	Positive	27 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	1,2 %
	(5) Solid phase	>>> 10	Positive	12 %
	(6) Microplate: IAT	>>> 1	Positive	1,2 %
	(8) Column agglut.: IAT - manual	>>> 45	Positive	56 %
Total per sample: n = 81		Success: 100 %		
E2 and S2	(1) Tube test: IAT	>>> 2	Positive	2,5 %
	(3) Column agglut.: IAT - automat	>>> 22	Positive	27 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	1,2 %
	(5) Solid phase	>>> 10	Positive	12 %
	(6) Microplate: IAT	>>> 1	Positive	1,2 %
	(8) Column agglut.: IAT - manual	>>> 45	Positive	56 %
Total per sample: n = 81		Success: 100 %		
Total success: 100 %				

(743) Antibody screening (IAT, recipient)

E1 and S1	(0) Not specified	>>> 1	Positive	0,73 %
	(1) Tube test: IAT	>>> 1	Positive	0,73 %
	(3) Column agglut.: IAT - automat	>>> 35	Positive	26 %
	(5) Solid phase	>>> 6	Positive	4,4 %
	(6) Microplate: IAT	>>> 1	Positive	0,73 %
	(8) Column agglut.: IAT - manual	>>> 93	Positive	68 %
Total per sample: n = 137		Success: 100 %		
E2 and S2	(0) Not specified	>>> 1	Positive	0,73 %
	(1) Tube test: IAT	>>> 1	Positive	0,73 %
	(3) Column agglut.: IAT - automat	>>> 35	Positive	26 %
	(5) Solid phase	>>> 6	Positive	4,4 %
	(6) Microplate: IAT	>>> 1	Positive	0,73 %
	(8) Column agglut.: IAT - manual	>>> 93	Positive	68 %
Total per sample: n = 137		Success: 100 %		
Total success: 100 %				

(745) Antibody screening (IAT, pregnant)

E1 and S1	(1) Tube test: IAT	>>> 2	Positive	1,8 %
	(3) Column agglut.: IAT - automat	>>> 33	Positive	29 %
	(5) Solid phase	>>> 4	Positive	3,5 %
	(6) Microplate: IAT	>>> 1	Positive	0,88 %
	(8) Column agglut.: IAT - manual	>>> 72	Positive	64 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,88 %
Total per sample: n = 113		Success: 100 %		
E2 and S2	(1) Tube test: IAT	>>> 2	Positive	1,8 %
	(3) Column agglut.: IAT - automat	>>> 33	Positive	29 %
	(5) Solid phase	>>> 4	Positive	3,5 %
	(6) Microplate: IAT	>>> 1	Positive	0,88 %
	(8) Column agglut.: IAT - manual	>>> 72	Positive	64 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,88 %
Total per sample: n = 113		Success: 100 %		
Total success: 100 %				

(747) Antibody screening (enzyme test)

E1 and S1	(2) Tube test: enzyme	>>> 1	Positive	0,97 %
	(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	>>> 7	Positive	6,8 %
	(9) Column agglut.: enzyme - manual	>>> 70	Positive	68 %
Total per sample: n = 103		Success: 100 %		
E2 and S2	(2) Tube test: enzyme	>>> 1	Positive	0,97 %
	(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	>>> 7	Positive	6,8 %
	(9) Column agglut.: enzyme - manual	>>> 70	Positive	68 %

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Deadline: 19.11.2020

Test

Sample	Group	N	Result	N _{rel}
Total per sample: n = 103		Success: 100 %		
Total success: 100 %				

(750) Antibody identification

E1 and S1 (0) Not specified	>>>	43	anti-E; anti-S	98 %
		1	anti-E; anti-S; anti-K	2,3 %
Total per sample: n = 44		Success: 98 %		
E2 and S2 (0) Not specified	>>>	43	anti-D	98 %
		1	anti-D; anti-Cw	2,3 %
Total per sample: n = 44		Success: 98 %		
Total success: 98 %				

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

E1 and S1 (1) Tube + homozyg. expression	±	1	titre 16	3,1 %
	±	1	titre 32	3,1 %
(3) Column agglut.+ homozyg. expres.	±	1	titre 16	3,1 %
	±	3	titre 32	9,4 %
	±	1	titre 64	3,1 %
	±	1	titre 128	3,1 %
(4) Column agglut.+ heterozyg. expres.	±	8	titre 16	25 %
	±	6	titre 32	19 %
	±	9	titre 64	28 %
	±	1	titre 128	3,1 %
Total per sample: n = 32		Success (only evaluated results): evaluation		

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

E1 and S1 (0) Not specified	±	1	titre 32	3,1 %
(1) Tube + homozyg. expression	±	1	titre 4	3,1 %
(2) Tube + heterozyg. expression	±	2	titre 8	6,3 %
(3) Column agglut.+ homozyg. expres.	±	1	titre 8	3,1 %
	±	5	titre 16	16 %
	±	2	titre 32	6,3 %
(4) Column agglut.+ heterozyg. expres.	±	1	titre 4	3,1 %
	±	5	titre 8	16 %
	±	7	titre 16	22 %
	±	5	titre 32	16 %
(99) Another measurement principle	±	1	titre 8	3,1 %
	±	1	titre 16	3,1 %
Total per sample: n = 32		Success (only evaluated results): evaluation		

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

E2 and S2 (0) Not specified	±	1	titre 128	3,1 %
(1) Tube + homozyg. expression	±	1	titre 512	3,1 %
	±	1	titre 128	3,1 %
(3) Column agglut.+ homozyg. expres.	±	4	titre 256	13 %
	±	2	titre 512	6,3 %
	±	1	titre 32	3,1 %
	±	1	titre 64	3,1 %
	±	3	titre 128	9,4 %
(4) Column agglut.+ heterozyg. expres.	±	5	titre 256	16 %
	±	1	titre 512	3,1 %
	±	4	titre 64	13 %
	±	7	titre 128	22 %
(99) Another measurement principle	±	1	titre 128	3,1 %
Total per sample: n = 32		Success (only evaluated results): evaluation		

Set 3**(760) Crossmatch**

S1	All results	>>>	124	Crossmatch successful	100 %
Total per sample: n = 124		Success: 100 %			
S2	All results	>>>	124	Crossmatch successful	100 %
Total per sample: n = 124		Success: 100 %			
Total success: 100 %					

(761) Crossmatch (segment K1)

S1	(0) Not specified	>>>	1	Negative test	0,81 %
	(3) Column agglut.: IAT - automat	>>>	21	Negative test	17 %
	(5) Solid phase	>>>	4	Negative test	3,2 %
	(6) Microplate: IAT	>>>	1	Negative test	0,81 %
	(8) Column agglut.: IAT - manual	>>>	95	Negative test	77 %
	(9) Column agglut.: enzyme - manual	>>>	1	Negative test	0,81 %
	(99) Another measurement principle	>>>	1	Negative test	0,81 %
Total per sample: n = 124		Success: 100 %			

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: IH4/20 - Blood Group Serology

Deadline: 19.11.2020

Test	Sample	Group	N	Result	N _{rel}	
S2		(0) Not specified	>>>	1	Positive test	0,81 %
		(3) Column agglut.: IAT - automat	>>>	21	Positive test	17 %
		(5) Solid phase	>>>	4	Positive test	3,2 %
		(6) Microplate: IAT	>>>	1	Positive test	0,81 %
		(8) Column agglut.: IAT - manual	>>>	95	Positive test	77 %
		(9) Column agglut.: enzyme - manual	>>>	1	Positive test	0,81 %
		(99) Another measurement principle	>>>	1	Positive test	0,81 %
		Total per sample: n = 124			Success: 100 %	
Total success: 100 %						

(762) Serve transfusion product (segment K1)

S1	(0) Not specified	±	1	Impossible, risk of haemolysis	0,81 %
		±	73	Decision depends on results of other tests not performed in our laboratory	59 %
		±	27	Only if more suitable products are not available	22 %
		±	23	Possible	19 %
		Total per sample: n = 124		Success (only evaluated results): evaluation	
S2	(0) Not specified	±	124	Impossible, risk of haemolysis	100 %
		Total per sample: n = 124		Success (only evaluated results): evaluation	

(764) Crossmatch (segment K2)

S1	(0) Not specified	>>>	1	Positive test	0,81 %
		>>>	21	Positive test	17 %
		>>>	4	Positive test	3,2 %
		>>>	1	Positive test	0,81 %
		>>>	95	Positive test	77 %
		>>>	1	Positive test	0,81 %
		>>>	1	Positive test	0,81 %
		Total per sample: n = 124		Success: 100 %	
S2	(0) Not specified	>>>	1	Negative test	0,81 %
		>>>	21	Negative test	17 %
		>>>	4	Negative test	3,2 %
		>>>	1	Negative test	0,81 %
		>>>	95	Negative test	77 %
		>>>	1	Negative test	0,81 %
		>>>	1	Negative test	0,81 %
		Total per sample: n = 124		Success: 100 %	
Total success: 100 %					

(765) Serve transfusion product (segment K2)

S1	(0) Not specified	±	124	Impossible, risk of haemolysis	100 %
		Total per sample: n = 124		Success (only evaluated results): evaluation	
S2	(0) Not specified	±	2	Impossible, risk of haemolysis	1,6 %
		±	68	Decision depends on results of other tests not performed in our laboratory	55 %
		±	4	Only if more suitable products are not available	3,2 %
		±	50	Possible	40 %
		Total per sample: n = 124		Success (only evaluated results): evaluation	

st_kl

End of report

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