

EQA round: IH2/22 - 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	>>>	48	Blood group: B	33 %
	(2) Microplate - aut.	>>>	13	Blood group: B	9,0 %
	(3) Microplate - man.	>>>	4	Blood group: B	2,8 %
	(7) Column agglutination - automat	>>>	41	Blood group: B	28 %
	(9) Column agglutination - manual	>>>	38	Blood group: B	26 %
	(10) Solid phase	>>>	1	Blood group: B	0,69 %
Total per sample: n = 145		Success:	100 %		

E2 and S2	(1) Tube test	>>>	48	Blood group: A	33 %
	(2) Microplate - aut.	>>>	13	Blood group: A	9,0 %
	(3) Microplate - man.	>>>	4	Blood group: A	2,8 %
	(7) Column agglutination - automat	>>>	1	Not specified	0,69 %
	(9) Column agglutination - manual	>>>	40	Blood group: A	28 %
	(10) Solid phase	>>>	38	Blood group: A	26 %
	(10) Solid phase	>>>	1	Blood group: A	0,69 %
Total per sample: n = 145		Success:	99 %		

Total success: 99 %

(703) A subgroup

E1 and S1	(0) Not specified	>>>	49	Not specified	98 %
			1	A subgroup A1	2,0 %
Total per sample: n = 50		Success:	98 %		

E2 and S2	(0) Not specified	>>>	1	Not specified	2,0 %
		>>>	49	A subgroup A1	98 %
Total per sample: n = 50		Success:	98 %		

Total success: 98 %

(705) Rh D antigen (blood-donor)

E1 and S1	(0) Not specified	>>>	1	Positive (RhD+)	1,2 %
	(1) Tube test	>>>	25	Positive (RhD+)	29 %
	(2) Microplate - aut.	>>>	14	Positive (RhD+)	16 %
	(3) Microplate - man.	>>>	2	Positive (RhD+)	2,4 %
	(7) Column agglutination - automat	>>>	23	Positive (RhD+)	27 %
	(9) Column agglutination - manual	>>>	19	Positive (RhD+)	22 %
	(10) Solid phase	>>>	1	Positive (RhD+)	1,2 %
Total per sample: n = 85		Success:	100 %		

E2 and S2	(0) Not specified	>>>	1	Positive (RhD+)	1,2 %
	(1) Tube test	>>>	25	Positive (RhD+)	29 %
	(2) Microplate - aut.	>>>	14	Positive (RhD+)	16 %
	(3) Microplate - man.	>>>	2	Positive (RhD+)	2,4 %
	(7) Column agglutination - automat	>>>	1	Not specified	1,2 %
	(9) Column agglutination - manual	>>>	22	Positive (RhD+)	26 %
	(10) Solid phase	>>>	19	Positive (RhD+)	22 %
	(10) Solid phase	>>>	1	Positive (RhD+)	1,2 %
Total per sample: n = 85		Success:	99 %		

Total success: 99 %

(709) Rh D antigen (recipient)

E1 and S1	(1) Tube test	>>>	47	Positive (RhD+)	35 %
	(2) Microplate - aut.	>>>	11	Positive (RhD+)	8,2 %
	(3) Microplate - man.	>>>	3	Positive (RhD+)	2,2 %
	(7) Column agglutination - automat	>>>	37	Positive (RhD+)	28 %
	(9) Column agglutination - manual	>>>	35	Positive (RhD+)	26 %
	(10) Solid phase	>>>	1	Positive (RhD+)	0,75 %
Total per sample: n = 134		Success:	100 %		

E2 and S2	(1) Tube test	>>>	47	Positive (RhD+)	35 %
	(2) Microplate - aut.	>>>	11	Positive (RhD+)	8,2 %
	(3) Microplate - man.	>>>	3	Positive (RhD+)	2,2 %
	(7) Column agglutination - automat	>>>	1	Not specified	0,75 %
	(9) Column agglutination - manual	>>>	36	Positive (RhD+)	27 %
	(10) Solid phase	>>>	35	Positive (RhD+)	26 %
	(10) Solid phase	>>>	1	Positive (RhD+)	0,75 %
Total per sample: n = 134		Success:	99 %		

Total success: 99 %

(715) Antigen C

EQA round: IH2/22 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1	(1) Tube test	>>> 16	Positive	22 %
	(2) Microplate - aut.	>>> 9	Positive	12 %
	(7) Column agglutination - automat	>>> 16	Positive	22 %
	(9) Column agglutination - manual	>>> 30	Positive	41 %
	(10) Solid phase	>>> 2	Positive	2,7 %
	Total per sample: n = 73		Success: 100 %	
E2 and S2	(1) Tube test	>>> 16	Positive	22 %
	(2) Microplate - aut.	>>> 9	Positive	12 %
	(7) Column agglutination - automat	>>> 1	Not specified	1,4 %
		>>> 15	Positive	21 %
	(9) Column agglutination - manual	>>> 30	Positive	41 %
	(10) Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 73		Success: 99 %		
Total success: 99 %				
(716) Antigen c				
E1 and S1	(1) Tube test	>>> 16	Negative	22 %
	(2) Microplate - aut.	>>> 9	Negative	12 %
	(7) Column agglutination - automat	>>> 16	Negative	22 %
	(9) Column agglutination - manual	>>> 30	Negative	41 %
	(10) Solid phase	>>> 2	Negative	2,7 %
	Total per sample: n = 73		Success: 100 %	
E2 and S2	(1) Tube test	>>> 16	Positive	22 %
	(2) Microplate - aut.	>>> 9	Positive	12 %
	(7) Column agglutination - automat	>>> 1	Not specified	1,4 %
		>>> 15	Positive	21 %
	(9) Column agglutination - manual	>>> 30	Positive	41 %
	(10) Solid phase	>>> 2	Positive	2,7 %
Total per sample: n = 73		Success: 99 %		
Total success: 99 %				
(717) Antigen Cw				
E1 and S1	(1) Tube test	>>> 16	Negative	27 %
	(2) Microplate - aut.	>>> 8	Negative	13 %
	(7) Column agglutination - automat	>>> 14	Negative	23 %
	(9) Column agglutination - manual	>>> 20	Negative	33 %
	(10) Solid phase	>>> 2	Negative	3,3 %
	Total per sample: n = 60		Success: 100 %	
E2 and S2	(1) Tube test	>>> 16	Negative	27 %
	(2) Microplate - aut.	>>> 8	Negative	13 %
	(7) Column agglutination - automat	>>> 1	Not specified	1,7 %
		>>> 13	Negative	22 %
	(9) Column agglutination - manual	>>> 20	Negative	33 %
	(10) Solid phase	>>> 2	Negative	3,3 %
Total per sample: n = 60		Success: 98 %		
Total success: 98 %				
(718) Antigen E				
E1 and S1	(1) Tube test	>>> 16	Negative	22 %
	(2) Microplate - aut.	>>> 9	Negative	12 %
	(7) Column agglutination - automat	>>> 16	Negative	22 %
	(9) Column agglutination - manual	>>> 30	Negative	41 %
	(10) Solid phase	>>> 2	Negative	2,7 %
	Total per sample: n = 73		Success: 100 %	
E2 and S2	(1) Tube test	>>> 16	Negative	22 %
	(2) Microplate - aut.	>>> 9	Negative	12 %
	(7) Column agglutination - automat	>>> 1	Not specified	1,4 %
		>>> 15	Negative	21 %
	(9) Column agglutination - manual	>>> 30	Negative	41 %
	(10) Solid phase	>>> 2	Negative	2,7 %
Total per sample: n = 73		Success: 99 %		
Total success: 99 %				
(719) Antigen e				
E1 and S1	(1) Tube test	>>> 16	Positive	22 %
	(2) Microplate - aut.	>>> 9	Positive	12 %
	(7) Column agglutination - automat	>>> 16	Positive	22 %
	(9) Column agglutination - manual	>>> 30	Positive	41 %
	(10) Solid phase	>>> 2	Positive	2,7 %
	Total per sample: n = 73		Success: 100 %	
E2 and S2	(1) Tube test	>>> 16	Positive	22 %

Test			N	Result	N _{rel}
Sample	Group				
E2 and S2	(2) Microplate - aut.	>>>	9	Positive	12 %
	(7) Column agglutination - automat		1	Not specified	1,4 %
		>>>	15	Positive	21 %
	(9) Column agglutination - manual	>>>	30	Positive	41 %
	(10) Solid phase	>>>	2	Positive	2,7 %
Total per sample: n = 73		Success: 99 %			
Total success: 99 %					
(720) Antigen K					
E1 and S1	(1) Tube test	>>>	15	Negative	20 %
			1	Positive	1,3 %
	(2) Microplate - aut.	>>>	9	Negative	12 %
	(7) Column agglutination - automat	>>>	17	Negative	22 %
	(9) Column agglutination - manual	>>>	32	Negative	42 %
	(10) Solid phase	>>>	2	Negative	2,6 %
Total per sample: n = 76		Success: 99 %			
E2 and S2	(1) Tube test	>>>	16	Negative	21 %
	(2) Microplate - aut.	>>>	9	Negative	12 %
	(7) Column agglutination - automat		1	Not specified	1,3 %
		>>>	16	Negative	21 %
	(9) Column agglutination - manual	>>>	32	Negative	42 %
	(10) Solid phase	>>>	2	Negative	2,6 %
Total per sample: n = 76		Success: 99 %			
Total success: 97 %					
(721) Antigen k					
E1 and S1	(1) Tube test	>>>	21	Positive	51 %
	(7) Column agglutination - automat	>>>	5	Positive	12 %
	(9) Column agglutination - manual	>>>	13	Positive	32 %
	(10) Solid phase	>>>	2	Positive	4,9 %
Total per sample: n = 41		Success: 100 %			
E2 and S2	(1) Tube test	>>>	21	Positive	51 %
	(7) Column agglutination - automat	>>>	5	Positive	12 %
	(9) Column agglutination - manual	>>>	13	Positive	32 %
	(10) Solid phase	>>>	2	Positive	4,9 %
Total per sample: n = 41		Success: 100 %			
Total success: 100 %					
(722) Antigen M					
E1 and S1	(1) Tube test	>>>	17	Negative	47 %
	(2) Microplate - aut.	>>>	3	Negative	8,3 %
	(7) Column agglutination - automat	>>>	2	Negative	5,6 %
	(9) Column agglutination - manual	>>>	14	Negative	39 %
Total per sample: n = 36		Success: 100 %			
E2 and S2	(1) Tube test	>>>	17	Positive	47 %
	(2) Microplate - aut.	>>>	3	Positive	8,3 %
	(7) Column agglutination - automat	>>>	2	Positive	5,6 %
	(9) Column agglutination - manual	>>>	14	Positive	39 %
Total per sample: n = 36		Success: 100 %			
Total success: 100 %					
(723) Antigen N					
E1 and S1	(1) Tube test	>>>	14	Positive	42 %
	(2) Microplate - aut.	>>>	2	Positive	6,1 %
	(7) Column agglutination - automat	>>>	2	Positive	6,1 %
	(9) Column agglutination - manual	>>>	15	Positive	45 %
Total per sample: n = 33		Success: 100 %			
E2 and S2	(1) Tube test	>>>	14	Negative	42 %
	(2) Microplate - aut.	>>>	2	Negative	6,1 %
	(7) Column agglutination - automat	>>>	2	Negative	6,1 %
	(9) Column agglutination - manual	>>>	15	Negative	45 %
Total per sample: n = 33		Success: 100 %			
Total success: 100 %					
(724) Antigen S					
E1 and S1	(1) Tube test	>>>	17	Positive	44 %
	(2) Microplate - aut.	>>>	1	Positive	2,6 %
	(7) Column agglutination - automat	>>>	2	Positive	5,1 %
	(8) Lateral diffusion	>>>	1	Positive	2,6 %
	(9) Column agglutination - manual	>>>	16	Positive	41 %
	(10) Solid phase	>>>	2	Positive	5,1 %

Test		N	Result	N _{rel}
Total per sample: n = 39		Success: 100 %		
E2 and S2	(1) Tube test	>>> 17	Negative	44 %
	(2) Microplate - aut.	>>> 1	Negative	2,6 %
	(7) Column agglutination - automat	>>> 2	Negative	5,1 %
	(8) Lateral diffusion	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 16	Negative	41 %
	(10) Solid phase	>>> 2	Negative	5,1 %
Total per sample: n = 39		Success: 100 %		
Total success: 100 %				
(725) Antigen s				
E1 and S1	(1) Tube test	>>> 16	Positive	42 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(7) Column agglutination - automat	>>> 2	Positive	5,3 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 16	Positive	42 %
	(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	Positive	2,6 %
	(7) Column agglutination - automat	>>> 2	Positive	5,3 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 16	Positive	42 %
	(10) Solid phase	>>> 2	Positive	5,3 %
Total per sample: n = 38		Success: 100 %		
Total success: 100 %				
(726) Antigen P1				
E1 and S1	(1) Tube test	>>> 19	Positive	73 %
	(2) Microplate - aut.	>>> 1	Positive	3,8 %
	(7) Column agglutination - automat	>>> 1	Positive	3,8 %
	(9) Column agglutination - manual	>>> 5	Positive	19 %
Total per sample: n = 26		Success: 100 %		
E2 and S2	(1) Tube test	>>> 19	Positive	73 %
	(2) Microplate - aut.	>>> 1	Positive	3,8 %
	(7) Column agglutination - automat	>>> 1	Positive	3,8 %
	(9) Column agglutination - manual	>>> 5	Positive	19 %
Total per sample: n = 26		Success: 100 %		
Total success: 100 %				
(727) Antigen Fya				
E1 and S1	(1) Tube test	>>> 13	Positive	33 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(7) Column agglutination - automat	>>> 2	Positive	5,1 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 20	Positive	51 %
	(10) Solid phase	>>> 2	Positive	5,1 %
Total per sample: n = 39		Success: 100 %		
E2 and S2	(1) Tube test	>>> 13	Negative	33 %
	(2) Microplate - aut.	>>> 1	Negative	2,6 %
	(7) Column agglutination - automat	>>> 2	Negative	5,1 %
	(8) Lateral diffusion	>>> 1	Negative	2,6 %
	(9) Column agglutination - manual	>>> 20	Negative	51 %
	(10) Solid phase	>>> 2	Negative	5,1 %
Total per sample: n = 39		Success: 100 %		
Total success: 100 %				
(728) Antigen Fyb				
E1 and S1	(1) Tube test	>>> 13	Positive	33 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(7) Column agglutination - automat	>>> 2	Positive	5,1 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 20	Positive	51 %
	(10) Solid phase	>>> 2	Positive	5,1 %
Total per sample: n = 39		Success: 100 %		
E2 and S2	(1) Tube test	>>> 13	Positive	33 %
	(2) Microplate - aut.	>>> 1	Positive	2,6 %
	(7) Column agglutination - automat	>>> 2	Positive	5,1 %
	(8) Lateral diffusion	>>> 1	Positive	2,6 %
	(9) Column agglutination - manual	>>> 20	Positive	51 %
	(10) Solid phase	>>> 2	Positive	5,1 %
Total per sample: n = 39		Success: 100 %		

EQA round: IH2/22 - Blood Group Serology

Test		N	Result	N _{rel}
Total success: 100 %				
(729) Antigen Jka				
E1 and S1 (1) Tube test	>>>	17	Negative	43 %
		1	Positive	2,5 %
(2) Microplate - aut.	>>>	3	Negative	7,5 %
(7) Column agglutination - automat	>>>	2	Negative	5,0 %
(8) Lateral diffusion	>>>	1	Negative	2,5 %
(9) Column agglutination - manual	>>>	16	Negative	40 %
----- Total per sample: n = 40 -----	Success: 98 %			
E2 and S2 (1) Tube test	>>>	17	Negative	43 %
		1	Positive	2,5 %
(2) Microplate - aut.	>>>	3	Negative	7,5 %
(7) Column agglutination - automat	>>>	2	Negative	5,0 %
(8) Lateral diffusion	>>>	1	Negative	2,5 %
(9) Column agglutination - manual	>>>	16	Negative	40 %
----- Total per sample: n = 40 -----	Success: 98 %			
Total success: 98 %				
(730) Antigen Jkb				
E1 and S1 (1) Tube test		1	Negative	2,5 %
	>>>	18	Positive	45 %
(2) Microplate - aut.	>>>	3	Positive	7,5 %
(7) Column agglutination - automat	>>>	2	Positive	5,0 %
(8) Lateral diffusion	>>>	1	Positive	2,5 %
(9) Column agglutination - manual	>>>	15	Positive	38 %
----- Total per sample: n = 40 -----	Success: 98 %			
E2 and S2 (1) Tube test		1	Negative	2,5 %
	>>>	18	Positive	45 %
(2) Microplate - aut.	>>>	3	Positive	7,5 %
(7) Column agglutination - automat	>>>	2	Positive	5,0 %
(8) Lateral diffusion	>>>	1	Positive	2,5 %
(9) Column agglutination - manual	>>>	15	Positive	38 %
----- Total per sample: n = 40 -----	Success: 98 %			
Total success: 98 %				
(731) Antigen Lua				
E1 and S1 (1) Tube test	>>>	9	Negative	36 %
(7) Column agglutination - automat	>>>	1	Negative	4,0 %
(9) Column agglutination - manual	>>>	15	Negative	60 %
----- Total per sample: n = 25 -----	Success: 100 %			
E2 and S2 (1) Tube test	>>>	9	Negative	36 %
(7) Column agglutination - automat	>>>	1	Negative	4,0 %
(9) Column agglutination - manual	>>>	15	Negative	60 %
----- Total per sample: n = 25 -----	Success: 100 %			
Total success: 100 %				
(732) Antigen Lub				
E1 and S1 (1) Tube test	>>>	12	Positive	46 %
(7) Column agglutination - automat	>>>	3	Positive	12 %
(9) Column agglutination - manual	>>>	11	Positive	42 %
----- Total per sample: n = 26 -----	Success: 100 %			
E2 and S2 (1) Tube test	>>>	12	Positive	46 %
(7) Column agglutination - automat	>>>	3	Positive	12 %
(9) Column agglutination - manual	>>>	11	Positive	42 %
----- Total per sample: n = 26 -----	Success: 100 %			
Total success: 100 %				
(733) Antigen Lea				
E1 and S1 (1) Tube test	>>>	18	Negative	62 %
(7) Column agglutination - automat	>>>	1	Negative	3,4 %
(9) Column agglutination - manual	>>>	10	Negative	34 %
----- Total per sample: n = 29 -----	Success: 100 %			
E2 and S2 (1) Tube test	>>>	18	Negative	62 %
(7) Column agglutination - automat	>>>	1	Negative	3,4 %
(9) Column agglutination - manual	>>>	10	Negative	34 %
----- Total per sample: n = 29 -----	Success: 100 %			
Total success: 100 %				
(734) Antigen Leb				
E1 and S1 (1) Tube test	>>>	18	Positive	62 %
(7) Column agglutination - automat	>>>	1	Positive	3,4 %
(9) Column agglutination - manual	>>>	10	Positive	34 %

Test	Sample	Group	N	Result	N _{rel}
Total per sample: n = 29 - Success: 100 %					
E2 and S2	(1) Tube test		1	Negative	3,4 %
			>>> 17	Positive	59 %
	(7) Column agglutination - automat		>>> 1	Positive	3,4 %
	(9) Column agglutination - manual		>>> 10	Positive	34 %
Total per sample: n = 29 - Success: 97 %					
Total success: 97 %					

(737) Direct Coombs (antiglobulin) test

E1 and S1	(0) Not specified		>>> 1	Negative	0,83 %
	(1) Tube test: IAT		>>> 4	Negative	3,3 %
	(3) Column agglut.: IAT - automat		>>> 26	Negative	22 %
	(5) Solid phase		>>> 1	Negative	0,83 %
	(6) Microplate: IAT		>>> 1	Negative	0,83 %
	(8) Column agglut.: IAT - manual		>>> 85	Negative	71 %
			1	Positive	0,83 %
	(9) Column agglut.: enzyme - manual		>>> 1	Negative	0,83 %
Total per sample: n = 120 - Success: 99 %					
E2 and S2	(0) Not specified		>>> 1	Negative	0,83 %
	(1) Tube test: IAT		>>> 4	Negative	3,3 %
	(3) Column agglut.: IAT - automat		1	Not specified	0,83 %
			>>> 25	Negative	21 %
	(5) Solid phase		>>> 1	Negative	0,83 %
	(6) Microplate: IAT		>>> 1	Negative	0,83 %
	(8) Column agglut.: IAT - manual		>>> 85	Negative	71 %
			1	Positive	0,83 %
	(9) Column agglut.: enzyme - manual		>>> 1	Negative	0,83 %
Total per sample: n = 120 - Success: 98 %					
Total success: 98 %					

(741) Antibody screening (IAT, blood donor)

E1 and S1	(0) Not specified		>>> 1	Positive	1,3 %
	(1) Tube test: IAT		>>> 1	Positive	1,3 %
	(3) Column agglut.: IAT - automat		>>> 21	Positive	26 %
	(4) Column agglut.: enzyme - automat		>>> 1	Positive	1,3 %
	(5) Solid phase		>>> 13	Positive	16 %
	(6) Microplate: IAT		>>> 2	Positive	2,5 %
	(8) Column agglut.: IAT - manual		>>> 41	Positive	51 %
Total per sample: n = 80 - Success: 100 %					
E2 and S2	(0) Not specified		>>> 1	Positive	1,3 %
	(1) Tube test: IAT		>>> 1	Positive	1,3 %
	(3) Column agglut.: IAT - automat		1	Not specified	1,3 %
			>>> 20	Positive	25 %
	(4) Column agglut.: enzyme - automat		>>> 1	Positive	1,3 %
	(5) Solid phase		>>> 13	Positive	16 %
	(6) Microplate: IAT		>>> 2	Positive	2,5 %
	(8) Column agglut.: IAT - manual		>>> 41	Positive	51 %
Total per sample: n = 80 - Success: 99 %					
Total success: 99 %					

(743) Antibody screening (IAT, recipient)

E1 and S1	(1) Tube test: IAT		>>> 1	Positive	0,80 %
	(3) Column agglut.: IAT - automat		>>> 33	Positive	26 %
	(5) Solid phase		>>> 5	Positive	4,0 %
	(8) Column agglut.: IAT - manual		>>> 85	Positive	68 %
	(9) Column agglut.: enzyme - manual		>>> 1	Positive	0,80 %
Total per sample: n = 125 - Success: 100 %					
E2 and S2	(1) Tube test: IAT		>>> 1	Positive	0,80 %
	(3) Column agglut.: IAT - automat		1	Not specified	0,80 %
			>>> 32	Positive	26 %
	(5) Solid phase		>>> 5	Positive	4,0 %
	(8) Column agglut.: IAT - manual		>>> 85	Positive	68 %
	(9) Column agglut.: enzyme - manual		>>> 1	Positive	0,80 %
Total per sample: n = 125 - Success: 99 %					
Total success: 99 %					

(745) Antibody screening (IAT, pregnant)

E1 and S1	(1) Tube test: IAT		>>> 2	Positive	1,9 %
	(3) Column agglut.: IAT - automat		>>> 33	Positive	31 %
	(5) Solid phase		>>> 5	Positive	4,7 %
	(6) Microplate: IAT		>>> 1	Positive	0,93 %
	(8) Column agglut.: IAT - manual		>>> 66	Positive	62 %

EQA round: IH2/22 - Blood Group Serology

Deadline: 03.06.2022

Test

Sample	Group	N	Result	N _{rel}
Total per sample: n = 107		Success: 100 %		
E2 and S2	(1) Tube test: IAT	>>> 2	Positive	1,9 %
	(3) Column agglut.: IAT - automat	>>> 1	Not specified	0,93 %
		>>> 32	Positive	30 %
	(5) Solid phase	>>> 5	Positive	4,7 %
	(6) Microplate: IAT	>>> 1	Positive	0,93 %
	(8) Column agglut.: IAT - manual	>>> 66	Positive	62 %
Total per sample: n = 107		Success: 99 %		
Total success: 99 %				

(747) Antibody screening (enzyme test)

E1 and S1	(2) Tube test: enzyme	>>> 1	Positive	1,0 %
	(3) Column agglut.: IAT - automat	>>> 1	Positive	1,0 %
	(4) Column agglut.: enzyme - automat	>>> 24	Positive	24 %
	(7) Microplate: enzyme	>>> 1	Positive	1,0 %
	(8) Column agglut.: IAT - manual	>>> 3	Positive	3,1 %
	(9) Column agglut.: enzyme - manual	>>> 68	Positive	69 %
Total per sample: n = 98		Success: 100 %		
E2 and S2	(2) Tube test: enzyme	>>> 1	Positive	1,0 %
	(3) Column agglut.: IAT - automat	> 1	Negative	1,0 %
	(4) Column agglut.: enzyme - automat	> 1	Not specified	1,0 %
		> 4	Negative	4,1 %
		>>> 19	Positive	19 %
	(7) Microplate: enzyme	>>> 1	Positive	1,0 %
	(8) Column agglut.: IAT - manual	>>> 3	Positive	3,1 %
	(9) Column agglut.: enzyme - manual	> 19	Negative	19 %
		>>> 49	Positive	50 %
Total per sample: n = 98		Success: 99 %		
Total success: 99 %				

(750) Antibody identification

E1 and S1	(0) Not specified	3	anti-c	6,4 %
		> 42	anti-c; anti-E	89 %
		>>> 2	anti-c; anti-E; anti-Wra	4,3 %
Total per sample: n = 47		Success: 94 %		
E2 and S2	(0) Not specified	> 41	anti-K; anti-S	87 %
		>>> 3	anti-K; anti-S; anti-Wra	6,4 %
		3	anti-S	6,4 %
Total per sample: n = 47		Success: 94 %		
Total success: 91 %				

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

E1 and S1	(0) Not specified	± 1	titre 16	2,9 %
	(1) Tube + homozyg. expression	± 1	titre 32	2,9 %
		± 1	titre 64	2,9 %
		± 1	titre 128	2,9 %
	(2) Tube + heterozyg. expression	± 1	titre 64	2,9 %
	(3) Column agglut.+ homozyg. expres.	± 3	titre 8	8,8 %
		± 1	titre 32	2,9 %
		± 2	titre 64	5,9 %
	(4) Column agglut.+ heterozyg. expres.	± 1	titre 4	2,9 %
		± 5	titre 8	15 %
		± 9	titre 16	26 %
		± 1	titre 32	2,9 %
		± 4	titre 64	12 %
		± 3	titre 128	8,8 %
Total per sample: n = 34		Success (only evaluated results): not assessed		

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

E1 and S1	(1) Tube + homozyg. expression	± 1	titre 512	4,5 %
	(2) Tube + heterozyg. expression	± 1	titre 256	4,5 %
		± 1	titre 64	4,5 %
		± 1	titre 128	4,5 %
	(3) Column agglut.+ homozyg. expres.	± 1	titre 512	4,5 %
	(4) Column agglut.+ heterozyg. expres.	± 3	titre 256	14 %
		± 1	titre 512	4,5 %
		± 4	titre 32	18 %
		± 6	titre 64	27 %
		± 2	titre 128	9,1 %
	(99) Another measurement principle	± 1	titre 0 (not measurable)	4,5 %
Total per sample: n = 22		Success (only evaluated results): not assessed		

(754) Antibody titre, Sample 1: 3rd antibody

Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (3)	Column agglut.+ homozyg. expres.	± 1	titre 32	50 %
(4)	Column agglut.+ heterozyg. expres.	± 1	titre 8	50 %
Total per sample: n = 2		Success (only evaluated results): not assessed		

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

E2 and S2 (0)	Not specified	± 1	titre 8	3,6 %
(2)	Tube + heterozyg. expression	± 1	titre 16	3,6 %
		± 1	titre 32	3,6 %
(3)	Column agglut.+ homozyg. expres.	± 1	titre 8	3,6 %
		± 1	titre 16	3,6 %
(4)	Column agglut.+ heterozyg. expres.	± 1	titre 1	3,6 %
		± 10	titre 8	36 %
		± 9	titre 16	32 %
		± 2	titre 32	7,1 %
(99)	Another measurement principle	± 1	titre 0 (not measurable)	3,6 %
Total per sample: n = 28		Success (only evaluated results): not assessed		

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

E2 and S2 (0)	Not specified	± 1	titre 2	2,9 %
		± 1	titre 32	2,9 %
(1)	Tube + homozyg. expression	± 1	titre 1	2,9 %
		± 1	titre 4	2,9 %
		± 1	titre 128	2,9 %
(3)	Column agglut.+ homozyg. expres.	± 3	titre 2	8,8 %
		± 2	titre 4	5,9 %
		± 2	titre 8	5,9 %
(4)	Column agglut.+ heterozyg. expres.	± 5	titre 1	15 %
		± 2	titre 2	5,9 %
		± 5	titre 4	15 %
		± 8	titre 8	24 %
		± 2	titre 32	5,9 %
Total per sample: n = 34		Success (only evaluated results): not assessed		

(758) Antibody titre, Sample 2: 3rd antibody

E2 and S2 (3)	Column agglut.+ homozyg. expres.	± 1	titre 1	33 %
(4)	Column agglut.+ heterozyg. expres.	± 1	titre 4	33 %
		± 1	titre 8	33 %
Total per sample: n = 3		Success (only evaluated results): not assessed		

Set 3**(760) Crossmatch**

S1	All results	>>> 117	Crossmatch successful	100 %
Total per sample: n = 117		Success: 100 %		
S2	All results	>>> 117	Crossmatch successful	100 %
Total per sample: n = 117		Success: 100 %		
Total success: 100 %				

(761) Crossmatch (segment K1)

S1	(1) Tube test: IAT	>>> 1	Positive test	0,85 %
	(3) Column agglut.: IAT - automat	>>> 23	Positive test	20 %
	(5) Solid phase	>>> 3	Positive test	2,6 %
	(6) Microplate: IAT	>>> 1	Positive test	0,85 %
	(8) Column agglut.: IAT - manual	>>> 86	Positive test	74 %
	(9) Column agglut.: enzyme - manual	>>> 2	Positive test	1,7 %
	(99) Another measurement principle	>>> 1	Positive test	0,85 %
Total per sample: n = 117		Success: 100 %		
S2	(1) Tube test: IAT	>>> 1	Positive test	0,85 %
	(3) Column agglut.: IAT - automat	> 1	Negative test	0,85 %
		>>> 22	Positive test	19 %
	(5) Solid phase	>>> 3	Positive test	2,6 %
	(6) Microplate: IAT	> 1	Negative test	0,85 %
	(8) Column agglut.: IAT - manual	> 33	Negative test	28 %
		>>> 53	Positive test	45 %
	(9) Column agglut.: enzyme - manual	>>> 2	Positive test	1,7 %
	(99) Another measurement principle	> 1	Negative test	0,85 %
Total per sample: n = 117		Success: 100 %		
Total success: 100 %				

(762) Serve transfusion product (segment K1)

S1	(0) Not specified	± 114	Impossible, risk of haemolysis	97 %
		± 3	Decision depends on results of other tests not performed in our laboratory	2,6 %

Summary statistics - qualitative results

(Groups: measurement principle)

EQA round: IH2/22 - Blood Group Serology

Deadline: 03.06.2022

Test	Sample	Group	N	Result	N _{rel}
	Total per sample: n = 117			Success (only evaluated results): not assessed	
S2	(0)	Not specified	± 83	Impossible, risk of haemolysis	71 %
			± 30	Decision depends on results of other tests not performed in our laboratory	26 %
			± 3	Only if more suitable products are not available	2,6 %
			± 1	Possible	0,85 %
	Total per sample: n = 117			Success (only evaluated results): not assessed	

(764) Crossmatch (segment K2)

S1	(1)	Tube test: IAT	>>> 1	Negative test	0,85 %
	(3)	Column agglut.: IAT - automat	>>> 23	Negative test	20 %
	(5)	Solid phase	>>> 3	Negative test	2,6 %
	(6)	Microplate: IAT	>>> 1	Negative test	0,85 %
	(8)	Column agglut.: IAT - manual	>>> 87	Negative test	74 %
	(9)	Column agglut.: enzyme - manual	>>> 1	Negative test	0,85 %
	(99)	Another measurement principle	>>> 1	Negative test	0,85 %
	Total per sample: n = 117			Success: 100 %	
S2	(1)	Tube test: IAT	>>> 1	Positive test	0,85 %
	(3)	Column agglut.: IAT - automat	>>> 23	Positive test	20 %
	(5)	Solid phase	>>> 3	Positive test	2,6 %
	(6)	Microplate: IAT	>>> 1	Positive test	0,85 %
	(8)	Column agglut.: IAT - manual	>>> 87	Positive test	74 %
	(9)	Column agglut.: enzyme - manual	>>> 1	Positive test	0,85 %
	(99)	Another measurement principle	>>> 1	Positive test	0,85 %
	Total per sample: n = 117			Success: 100 %	

Total success: 100 %

(765) Serve transfusion product (segment K2)

S1	(0)	Not specified	± 63	Decision depends on results of other tests not performed in our laboratory	54 %
			± 40	Only if more suitable products are not available	34 %
			± 14	Possible	12 %
	Total per sample: n = 117			Success (only evaluated results): not assessed	
S2	(0)	Not specified	± 114	Impossible, risk of haemolysis	97 %
			± 3	Decision depends on results of other tests not performed in our laboratory	2,6 %
	Total per sample: n = 117			Success (only evaluated results): not assessed	

st_kl

End of report

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