

Key: &gt;&gt;&gt; ... marks correct (expected) result

&gt; ... 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 <sub>rel</sub>
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**Set of samples 1 and 2****(700) AB0 blood group**

E1 and S1 (0) Not specified	>>>	1	Blood group: B	0,48 %
(1) Tube test	>>>	90	Blood group: B	43 %
(2) Microplate - aut.	>>>	16	Blood group: B	7,7 %
(3) Microplate - man.	>>>	8	Blood group: B	3,8 %
(4) Microplate reagent kit - aut.	>>>	6	Blood group: B	2,9 %
(5) Microplate reagent kit - man.	>>>	2	Blood group: B	0,96 %
(7) Column agglutination - automat	>>>	26	Blood group: B	13 %
(9) Column agglutination - manual	>>>	56	Blood group: B	27 %
(10) Solid phase	>>>	3	Blood group: B	1,4 %
----- Total per sample: n = 208 ----- Success: 100 % -----				

E2 and S2 (0) Not specified	>>>	1	Blood group: 0	0,48 %
(1) Tube test	>>>	90	Blood group: 0	43 %
(2) Microplate - aut.	>>>	16	Blood group: 0	7,7 %
(3) Microplate - man.	>>>	8	Blood group: 0	3,8 %
(4) Microplate reagent kit - aut.	>>>	6	Blood group: 0	2,9 %
(5) Microplate reagent kit - man.	>>>	2	Blood group: 0	0,96 %
(7) Column agglutination - automat	>>>	26	Blood group: 0	13 %
(9) Column agglutination - manual	>>>	56	Blood group: 0	27 %
(10) Solid phase	>>>	3	Blood group: 0	1,4 %
----- Total per sample: n = 208 ----- Success: 100 % -----				

Total success: 100 %

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

E1 and S1 (0) Not specified	>>>	2	Positive (RhD+)	1,5 %
(1) Tube test	>>>	62	Positive (RhD+)	46 %
(2) Microplate - aut.	>>>	14	Positive (RhD+)	10 %
(3) Microplate - man.	>>>	4	Positive (RhD+)	2,9 %
(4) Microplate reagent kit - aut.	>>>	8	Positive (RhD+)	5,9 %
(7) Column agglutination - automat	>>>	13	Positive (RhD+)	9,6 %
(9) Column agglutination - manual	>>>	30	Positive (RhD+)	22 %
(10) Solid phase	>>>	3	Positive (RhD+)	2,2 %
----- Total per sample: n = 136 ----- Success: 100 % -----				

E2 and S2 (0) Not specified	>>>	2	Positive (RhD+)	1,5 %
(1) Tube test	>>>	62	Positive (RhD+)	46 %
(2) Microplate - aut.	>>>	14	Positive (RhD+)	10 %
(3) Microplate - man.	>>>	4	Positive (RhD+)	2,9 %
(4) Microplate reagent kit - aut.	>>>	8	Positive (RhD+)	5,9 %
(7) Column agglutination - automat	>>>	13	Positive (RhD+)	9,6 %
(9) Column agglutination - manual	>>>	30	Positive (RhD+)	22 %
(10) Solid phase	>>>	3	Positive (RhD+)	2,2 %
----- Total per sample: n = 136 ----- Success: 100 % -----				

Total success: 100 %

**(709) Rh D antigen (recipient)**

E1 and S1 (0) Not specified	>>>	2	Positive (RhD+)	1,0 %
(1) Tube test	>>>	92	Positive (RhD+)	47 %
(2) Microplate - aut.	>>>	13	Positive (RhD+)	6,6 %
(3) Microplate - man.	>>>	5	Positive (RhD+)	2,5 %
(4) Microplate reagent kit - aut.	>>>	5	Positive (RhD+)	2,5 %
(5) Microplate reagent kit - man.	>>>	2	Positive (RhD+)	1,0 %
(7) Column agglutination - automat	>>>	25	Positive (RhD+)	13 %
(9) Column agglutination - manual	>>>	50	Positive (RhD+)	25 %
(10) Solid phase	>>>	3	Positive (RhD+)	1,5 %
----- Total per sample: n = 197 ----- Success: 100 % -----				

E2 and S2 (0) Not specified	>>>	2	Positive (RhD+)	1,0 %
(1) Tube test	>>>	92	Positive (RhD+)	47 %
(2) Microplate - aut.	>>>	13	Positive (RhD+)	6,6 %
(3) Microplate - man.	>>>	5	Positive (RhD+)	2,5 %
(4) Microplate reagent kit - aut.	>>>	5	Positive (RhD+)	2,5 %
(5) Microplate reagent kit - man.	>>>	2	Positive (RhD+)	1,0 %
(7) Column agglutination - automat	>>>	25	Positive (RhD+)	13 %
(9) Column agglutination - manual	>>>	50	Positive (RhD+)	25 %
(10) Solid phase	>>>	3	Positive (RhD+)	1,5 %
----- Total per sample: n = 197 ----- Success: 100 % -----				

## Test

Sample	Group	N	Result	N <sub>rel</sub>
Total success: 100 %				
<b>(715) Antigen C</b>				
E1 and S1 (0)	Not specified	>>> 1	Positive	1,0 %
(1)	Tube test	>>> 29	Positive	30 %
(2)	Microplate - aut.	>>> 9	Positive	9,2 %
(4)	Microplate reagent kit - aut.	>>> 3	Positive	3,1 %
(7)	Column agglutination - automat	>>> 7	Positive	7,1 %
(8)	Lateral diffusion	>>> 1	Positive	1,0 %
(9)	Column agglutination - manual	>>> 46	Positive	47 %
(10)	Solid phase	>>> 2	Positive	2,0 %
Total per sample: n = 98		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Positive	1,0 %
(1)	Tube test	>>> 29	Positive	30 %
(2)	Microplate - aut.	>>> 9	Positive	9,2 %
(4)	Microplate reagent kit - aut.	>>> 3	Positive	3,1 %
(7)	Column agglutination - automat	>>> 7	Positive	7,1 %
(8)	Lateral diffusion	>>> 1	Positive	1,0 %
(9)	Column agglutination - manual	>>> 46	Positive	47 %
(10)	Solid phase	>>> 2	Positive	2,0 %
Total per sample: n = 98		Success: 100 %		
Total success: 100 %				
<b>(716) Antigen c</b>				
E1 and S1 (0)	Not specified	>>> 1	Negative	1,0 %
(1)	Tube test	>>> 29	Negative	30 %
(2)	Microplate - aut.	>>> 9	Negative	9,2 %
(4)	Microplate reagent kit - aut.	>>> 3	Negative	3,1 %
(7)	Column agglutination - automat	>>> 7	Negative	7,1 %
(8)	Lateral diffusion	>>> 1	Negative	1,0 %
(9)	Column agglutination - manual	>>> 46	Negative	47 %
(10)	Solid phase	>>> 2	Negative	2,0 %
Total per sample: n = 98		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Positive	1,0 %
(1)	Tube test	>>> 29	Positive	30 %
(2)	Microplate - aut.	>>> 9	Positive	9,2 %
(4)	Microplate reagent kit - aut.	>>> 3	Positive	3,1 %
(7)	Column agglutination - automat	>>> 7	Positive	7,1 %
(8)	Lateral diffusion	>>> 1	Positive	1,0 %
(9)	Column agglutination - manual	>>> 46	Positive	47 %
(10)	Solid phase	>>> 2	Positive	2,0 %
Total per sample: n = 98		Success: 100 %		
Total success: 100 %				
<b>(717) Antigen Cw</b>				
E1 and S1 (1)	Tube test	>>> 28	Negative	38 %
(2)	Microplate - aut.	>>> 7	Negative	9,5 %
(7)	Column agglutination - automat	>>> 8	Negative	11 %
(8)	Lateral diffusion	>>> 1	Negative	1,4 %
(9)	Column agglutination - manual	>>> 29	Negative	39 %
(10)	Solid phase	>>> 1	Negative	1,4 %
Total per sample: n = 74		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 28	Negative	38 %
(2)	Microplate - aut.	>>> 7	Negative	9,5 %
(7)	Column agglutination - automat	>>> 8	Negative	11 %
(8)	Lateral diffusion	>>> 1	Negative	1,4 %
(9)	Column agglutination - manual	>>> 29	Negative	39 %
(10)	Solid phase	>>> 1	Negative	1,4 %
Total per sample: n = 74		Success: 100 %		
Total success: 100 %				
<b>(718) Antigen E</b>				
E1 and S1 (0)	Not specified	>>> 1	Negative	1,0 %
(1)	Tube test	>>> 29	Negative	30 %
(2)	Microplate - aut.	>>> 9	Negative	9,2 %
(4)	Microplate reagent kit - aut.	>>> 3	Negative	3,1 %
(7)	Column agglutination - automat	>>> 7	Negative	7,1 %
(8)	Lateral diffusion	>>> 1	Negative	1,0 %
(9)	Column agglutination - manual	>>> 46	Negative	47 %
(10)	Solid phase	>>> 2	Negative	2,0 %
Total per sample: n = 98		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Negative	1,0 %

## EQA round: IH1/18 - Blood Group Serology

Dead line: 15.03.2018

## Test

Sample	Group	N	Result	N <sub>rel</sub>
E2 and S2 (1)	Tube test	>>> 29	Negative	30 %
	(2) Microplate - aut.	>>> 9	Negative	9,2 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	3,1 %
	(7) Column agglutination - automat	>>> 7	Negative	7,1 %
	(8) Lateral diffusion	>>> 1	Negative	1,0 %
	(9) Column agglutination - manual	>>> 46	Negative	47 %
	(10) Solid phase	>>> 2	Negative	2,0 %
Total per sample: n = 98		Success: 100 %		
Total success: 100 %				

## (719) Antigen e

E1 and S1 (0)	Not specified	>>> 1	Positive	1,0 %
	(1) Tube test	>>> 29	Positive	30 %
	(2) Microplate - aut.	>>> 9	Positive	9,2 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,1 %
	(7) Column agglutination - automat	>>> 7	Positive	7,1 %
	(8) Lateral diffusion	>>> 1	Positive	1,0 %
	(9) Column agglutination - manual	>>> 46	Positive	47 %
	(10) Solid phase	>>> 2	Positive	2,0 %
Total per sample: n = 98		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Positive	1,0 %
	(1) Tube test	>>> 29	Positive	30 %
	(2) Microplate - aut.	>>> 9	Positive	9,2 %
	(4) Microplate reagent kit - aut.	>>> 3	Positive	3,1 %
	(7) Column agglutination - automat	>>> 7	Positive	7,1 %
	(8) Lateral diffusion	>>> 1	Positive	1,0 %
	(9) Column agglutination - manual	>>> 46	Positive	47 %
	(10) Solid phase	>>> 2	Positive	2,0 %
Total per sample: n = 98		Success: 100 %		
Total success: 100 %				

## (720) Antigen K

E1 and S1 (0)	Not specified	>>> 1	Negative	0,95 %
	(1) Tube test	>>> 31	Negative	30 %
	(2) Microplate - aut.	>>> 9	Negative	8,6 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	2,9 %
	(7) Column agglutination - automat	>>> 9	Negative	8,6 %
	(8) Lateral diffusion	>>> 1	Negative	0,95 %
	(9) Column agglutination - manual	>>> 49	Negative	47 %
	(10) Solid phase	>>> 2	Negative	1,9 %
Total per sample: n = 105		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Negative	0,95 %
	(1) Tube test	>>> 31	Negative	30 %
	(2) Microplate - aut.	>>> 9	Negative	8,6 %
	(4) Microplate reagent kit - aut.	>>> 3	Negative	2,9 %
	(7) Column agglutination - automat	>>> 9	Negative	8,6 %
	(8) Lateral diffusion	>>> 1	Negative	0,95 %
	(9) Column agglutination - manual	>>> 49	Negative	47 %
	(10) Solid phase	>>> 2	Negative	1,9 %
Total per sample: n = 105		Success: 100 %		
Total success: 100 %				

## (721) Antigen k

E1 and S1 (1)	Tube test	>>> 28	Positive	52 %
	(2) Microplate - aut.	>>> 2	Positive	3,7 %
	(9) Column agglutination - manual	>>> 20	Positive	37 %
	(10) Solid phase	>>> 4	Positive	7,4 %
Total per sample: n = 54		Success: 100 %		
E2 and S2 (1)	Tube test	>>> 28	Positive	52 %
	(2) Microplate - aut.	>>> 2	Positive	3,7 %
	(9) Column agglutination - manual	>>> 20	Positive	37 %
	(10) Solid phase	>>> 4	Positive	7,4 %
Total per sample: n = 54		Success: 100 %		
Total success: 100 %				

## (722) Antigen M

E1 and S1 (1)	Tube test	>>> 27	Negative	52 %
	(2) Microplate - aut.	>>> 2	Negative	3,8 %
	(7) Column agglutination - automat	>>> 1	Negative	1,9 %
	(9) Column agglutination - manual	>>> 22	Negative	42 %
Total per sample: n = 52		Success: 100 %		

## Test

Sample	Group	N	Result	N <sub>rel</sub>
E2 and S2	(1) Tube test	>>>	27 Positive	52 %
	(2) Microplate - aut.	>>>	2 Positive	3,8 %
	(7) Column agglutination - automat	>>>	1 Positive	1,9 %
	(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	>>>	25 Positive	51 %
	(2) Microplate - aut.	>>>	1 Positive	2,0 %
	(7) Column agglutination - automat	>>>	1 Positive	2,0 %
	(9) Column agglutination - manual	>>>	22 Positive	45 %
	Total per sample: n = 49		Success: 100 %	
E2 and S2	(1) Tube test	>>>	22 Negative	45 %
			3 Positive	6,1 %
	(2) Microplate - aut.	>>>	1 Negative	2,0 %
	(7) Column agglutination - automat	>>>	1 Negative	2,0 %
	(9) Column agglutination - manual	>>>	22 Negative	45 %
Total per sample: n = 49		Success: 94 %		
Total success: 94 %				

## (724) Antigen S

E1 and S1	(1) Tube test		1 Negative	2,0 %
		>>>	23 Positive	45 %
	(7) Column agglutination - automat	>>>	1 Positive	2,0 %
	(9) Column agglutination - manual	>>>	24 Positive	47 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 98 %		
E2 and S2	(1) Tube test	>>>	24 Positive	47 %
	(7) Column agglutination - automat	>>>	1 Positive	2,0 %
	(9) Column agglutination - manual	>>>	24 Positive	47 %
	(10) Solid phase	>>>	2 Positive	3,9 %
	Total per sample: n = 51		Success: 100 %	
Total success: 98 %				

## (725) Antigen s

E1 and S1	(1) Tube test		1 Negative	2,0 %
		>>>	22 Positive	43 %
	(7) Column agglutination - automat	>>>	1 Positive	2,0 %
	(9) Column agglutination - manual	>>>	25 Positive	49 %
	(10) Solid phase	>>>	2 Positive	3,9 %
Total per sample: n = 51		Success: 98 %		
E2 and S2	(1) Tube test	>>>	23 Negative	45 %
	(7) Column agglutination - automat	>>>	1 Negative	2,0 %
	(9) Column agglutination - manual	>>>	25 Negative	49 %
	(10) Solid phase	>>>	2 Negative	3,9 %
	Total per sample: n = 51		Success: 100 %	
Total success: 98 %				

## (726) Antigen P1

E1 and S1	(1) Tube test	>>>	29 Positive	74 %
	(7) Column agglutination - automat	>>>	1 Positive	2,6 %
	(9) Column agglutination - manual	>>>	9 Positive	23 %
Total per sample: n = 39		Success: 100 %		
E2 and S2	(1) Tube test	>>>	29 Positive	74 %
	(7) Column agglutination - automat	>>>	1 Positive	2,6 %
	(9) Column agglutination - manual	>>>	9 Positive	23 %
Total per sample: n = 39		Success: 100 %		
Total success: 100 %				

## (727) Antigen Fya

E1 and S1	(1) Tube test	>>>	22 Positive	42 %
	(7) Column agglutination - automat	>>>	1 Positive	1,9 %
	(9) Column agglutination - manual	>>>	27 Positive	52 %
	(10) Solid phase	>>>	2 Positive	3,8 %
Total per sample: n = 52		Success: 100 %		
E2 and S2	(1) Tube test	>>>	22 Negative	42 %
	(7) Column agglutination - automat	>>>	1 Negative	1,9 %
	(9) Column agglutination - manual	>>>	27 Negative	52 %
	(10) Solid phase	>>>	2 Negative	3,8 %
Total per sample: n = 52		Success: 100 %		
Total success: 100 %				

## EQA round: IH1/18 - Blood Group Serology

Dead line: 15.03.2018

## Test

Sample	Group	N	Result	N <sub>rel</sub>
<b>(728) Antigen Fyb</b>				
E1 and S1 (1)	Tube test	1	Negative	1,9 %
		>>> 21	Positive	40 %
	(7) Column agglutination - automat	>>> 1	Positive	1,9 %
	(9) Column agglutination - manual	>>> 27	Positive	52 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 52		Success: 98 %	-	
E2 and S2 (1)	Tube test	22	Positive	42 %
	(7) Column agglutination - automat	>>> 1	Positive	1,9 %
	(9) Column agglutination - manual	>>> 27	Positive	52 %
	(10) Solid phase	>>> 2	Positive	3,8 %
Total per sample: n = 52		Success: 100 %	-	
Total success: 98 %				
<b>(729) Antigen Jka</b>				
E1 and S1 (1)	Tube test	>>> 22	Positive	46 %
	(7) Column agglutination - automat	>>> 1	Positive	2,1 %
	(9) Column agglutination - manual	>>> 24	Positive	50 %
	(10) Solid phase	>>> 1	Positive	2,1 %
Total per sample: n = 48		Success: 100 %	-	
E2 and S2 (1)	Tube test	>>> 22	Positive	46 %
	(7) Column agglutination - automat	>>> 1	Positive	2,1 %
	(9) Column agglutination - manual	>>> 24	Positive	50 %
	(10) Solid phase	>>> 1	Positive	2,1 %
Total per sample: n = 48		Success: 100 %	-	
Total success: 100 %				
<b>(730) Antigen Jkb</b>				
E1 and S1 (1)	Tube test	>>> 21	Positive	45 %
	(7) Column agglutination - automat	>>> 1	Positive	2,1 %
	(9) Column agglutination - manual	>>> 24	Positive	51 %
	(10) Solid phase	>>> 1	Positive	2,1 %
Total per sample: n = 47		Success: 100 %	-	
E2 and S2 (1)	Tube test	>>> 21	Positive	45 %
	(7) Column agglutination - automat	>>> 1	Positive	2,1 %
	(9) Column agglutination - manual	>>> 24	Positive	51 %
	(10) Solid phase	>>> 1	Positive	2,1 %
Total per sample: n = 47		Success: 100 %	-	
Total success: 100 %				
<b>(731) Antigen Lua</b>				
E1 and S1 (1)	Tube test	>>> 18	Negative	49 %
	(7) Column agglutination - automat	>>> 1	Negative	2,7 %
	(9) Column agglutination - manual	>>> 18	Negative	49 %
Total per sample: n = 37		Success: 100 %	-	
E2 and S2 (1)	Tube test	>>> 18	Positive	49 %
	(7) Column agglutination - automat	>>> 1	Positive	2,7 %
	(9) Column agglutination - manual	>>> 18	Positive	49 %
Total per sample: n = 37		Success: 100 %	-	
Total success: 100 %				
<b>(732) Antigen Lub</b>				
E1 and S1 (1)	Tube test	>>> 17	Positive	52 %
	(7) Column agglutination - automat	>>> 1	Positive	3,0 %
	(9) Column agglutination - manual	>>> 15	Positive	45 %
Total per sample: n = 33		Success: 100 %	-	
E2 and S2 (1)	Tube test	>>> 17	Positive	52 %
	(7) Column agglutination - automat	>>> 1	Positive	3,0 %
	(9) Column agglutination - manual	>>> 15	Positive	45 %
Total per sample: n = 33		Success: 100 %	-	
Total success: 100 %				
<b>(733) Antigen Lea</b>				
E1 and S1 (1)	Tube test	>>> 25	Negative	60 %
	(7) Column agglutination - automat	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 16	Negative	38 %
Total per sample: n = 42		Success: 100 %	-	
E2 and S2 (1)	Tube test	>>> 25	Negative	60 %
	(7) Column agglutination - automat	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 16	Negative	38 %
Total per sample: n = 42		Success: 100 %	-	
Total success: 100 %				

## EQA round: IH1/18 - Blood Group Serology

Dead line: 15.03.2018

## Test

Sample	Group	N	Result	N <sub>rel</sub>
<b>(734) Antigen Leb</b>				
E1 and S1 (1)	Tube test	>>> 22	Negative	54 %
		2	Positive	4,9 %
	(7) Column agglutination - automat	>>> 1	Negative	2,4 %
	(9) Column agglutination - manual	>>> 16	Negative	39 %
Total per sample: n = 41		Success: 95 %		
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: 95 %				

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

E1 and S1 (0)	Not specified	>>> 1	Negative	0,63 %
	(1) Tube test: IAT	>>> 5	Negative	3,1 %
	(3) Column agglut.: IAT - automat	>>> 14	Negative	8,8 %
		1	Positive	0,63 %
	(5) Solid phase	>>> 1	Negative	0,63 %
	(8) Column agglut.: IAT - manual	>>> 134	Negative	84 %
		1	Positive	0,63 %
	(9) Column agglut.: enzyme - manual	>>> 2	Negative	1,3 %
Total per sample: n = 159		Success: 99 %		
E2 and S2 (0)	Not specified	>>> 1	Negative	0,63 %
	(1) Tube test: IAT	>>> 5	Negative	3,1 %
	(3) Column agglut.: IAT - automat	>>> 14	Negative	8,8 %
		1	Positive	0,63 %
	(5) Solid phase	>>> 1	Negative	0,63 %
	(8) Column agglut.: IAT - manual	>>> 133	Negative	84 %
		2	Positive	1,3 %
	(9) Column agglut.: enzyme - manual	>>> 2	Negative	1,3 %
Total per sample: n = 159		Success: 98 %		
Total success: 98 %				

**(741) Antibody screening (IAT, blood donor)**

E1 and S1 (0)	Not specified	>>> 1	Positive	0,89 %
	(1) Tube test: IAT	>>> 2	Positive	1,8 %
	(3) Column agglut.: IAT - automat	>>> 25	Positive	22 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,89 %
	(5) Solid phase	>>> 13	Positive	12 %
	(6) Microplate: IAT	>>> 2	Positive	1,8 %
	(8) Column agglut.: IAT - manual	>>> 67	Positive	60 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,89 %
Total per sample: n = 112		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Positive	0,89 %
	(1) Tube test: IAT	>>> 2	Positive	1,8 %
	(3) Column agglut.: IAT - automat	>>> 25	Positive	22 %
	(4) Column agglut.: enzyme - automat	>>> 1	Positive	0,89 %
	(5) Solid phase	>>> 13	Positive	12 %
	(6) Microplate: IAT	>>> 2	Positive	1,8 %
	(8) Column agglut.: IAT - manual	>>> 65	Positive	58 %
		2	Negative	1,8 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,89 %
Total per sample: n = 112		Success: 98 %		
Total success: 98 %				

**(743) Antibody screening (IAT, recipient)**

E1 and S1 (0)	Not specified	>>> 1	Positive	0,56 %
	(3) Column agglut.: IAT - automat	>>> 28	Positive	16 %
	(5) Solid phase	>>> 5	Positive	2,8 %
	(8) Column agglut.: IAT - manual	>>> 142	Positive	80 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,56 %
Total per sample: n = 177		Success: 100 %		
E2 and S2 (0)	Not specified	>>> 1	Positive	0,56 %
	(3) Column agglut.: IAT - automat	>>> 28	Positive	16 %
	(5) Solid phase	>>> 5	Positive	2,8 %
	(8) Column agglut.: IAT - manual	>>> 141	Positive	80 %
		1	Negative	0,56 %
	(9) Column agglut.: enzyme - manual	>>> 1	Positive	0,56 %
Total per sample: n = 177		Success: 99 %		
Total success: 99 %				

**(745) Antibody screening (IAT, pregnant)**

Test		N	Result	N <sub>rel</sub>
Sample	Group			
E1 and S1 (1)	Tube test: IAT	>>> 1	Positive	0,68 %
	(3) Column agglut.: IAT - automat	>>> 25	Positive	17 %
	(4) Column agglut.: enzyme - automat	>>> 2	Positive	1,4 %
	(5) Solid phase	>>> 7	Positive	4,8 %
	(8) Column agglut.: IAT - manual	>>> 112	Positive	76 %
Total per sample: n = 147		Success: 100 %	-----	
E2 and S2 (1)	Tube test: IAT	>>> 1	Positive	0,68 %
	(3) Column agglut.: IAT - automat	>>> 25	Positive	17 %
	(4) Column agglut.: enzyme - automat	>>> 2	Positive	1,4 %
	(5) Solid phase	>>> 7	Positive	4,8 %
	(8) Column agglut.: IAT - manual	>>> 112	Positive	76 %
Total per sample: n = 147		Success: 100 %	-----	
Total success: 100 %				
<b>(747) Antibody screening (enzyme test)</b>				
E1 and S1 (2)	Tube test: enzyme	2	Negative	1,6 %
		>>> 4	Positive	3,2 %
	(3) Column agglut.: IAT - automat	>>> 1	Positive	0,79 %
	(4) Column agglut.: enzyme - automat	>>> 20	Positive	16 %
	(8) Column agglut.: IAT - manual	>>> 8	Positive	6,3 %
	(9) Column agglut.: enzyme - manual	>>> 91	Positive	72 %
Total per sample: n = 126		Success: 98 %	-----	
E2 and S2 (2)	Tube test: enzyme	>>> 4	Negative	3,2 %
		> 2	Positive	1,6 %
	(3) Column agglut.: IAT - automat	>>> 1	Negative	0,79 %
	(4) Column agglut.: enzyme - automat	>>> 15	Negative	12 %
		> 5	Positive	4,0 %
	(8) Column agglut.: IAT - manual	>>> 6	Negative	4,8 %
		> 2	Positive	1,6 %
	(9) Column agglut.: enzyme - manual	>>> 77	Negative	61 %
		> 14	Positive	11 %
Total per sample: n = 126		Success: 100 %	-----	
Total success: 98 %				
<b>(750) Antibody identification</b>				
E1 and S1 (0)	Not specified	2	anti-K	3,4 %
		1	anti-K; anti-Lua	1,7 %
		>>> 56	anti-K; anti-M	95 %
Total per sample: n = 59		Success: 95 %	-----	
E2 and S2 (0)	Not specified	>>> 59	anti-s	100 %
Total per sample: n = 59		Success: 100 %	-----	
Total success: 95 %				
<b>(752) Antibody titre, Sample 1: 1st antibody</b>				
E1 and S1 (1)	Tube + homozyg. expression	± 1	titre 8	2,1 %
	(2) Tube + heterozyg. expression	± 3	titre 64	6,4 %
		± 1	titre 128	2,1 %
	(3) Column agglut.+ homozyg. expres.	± 1	titre 2	2,1 %
		± 1	titre 4	2,1 %
		± 1	titre 64	2,1 %
		± 4	titre 128	8,5 %
	(4) Column agglut.+ heterozyg. expres.	± 4	titre 256	8,5 %
		± 1	titre 32	2,1 %
		± 10	titre 64	21 %
		± 19	titre 128	40 %
	(99) Another measurement principle	± 1	titre 64	2,1 %
Total per sample: n = 47		Success (only evaluated results):	evaluation-----	
<b>(753) Antibody titre, Sample 1: 2nd antibody</b>				
E1 and S1 (1)	Tube + homozyg. expression	± 1	titre 1	2,1 %
		± 2	titre 2	4,3 %
	(2) Tube + heterozyg. expression	± 1	titre 64	2,1 %
	(3) Column agglut.+ homozyg. expres.	± 4	titre 1	8,5 %
		± 15	titre 2	32 %
		± 5	titre 4	11 %
		± 2	titre 8	4,3 %
		± 1	titre 64	2,1 %
		± 1	titre 128	2,1 %
	(4) Column agglut.+ heterozyg. expres.	± 2	titre 0 (not measurable)	4,3 %
		± 8	titre 1	17 %
		± 3	titre 2	6,4 %
		± 1	titre 4	2,1 %

## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: IH1/18 - Blood Group Serology

Dead line: 15.03.2018

Test		N	Result	N <sub>rel</sub>
Sample	Group			
E1 and S1 (99)	Another measurement principle	± 1	titre 0 (not measurable)	2,1 %
Total per sample: n = 47		Success (only evaluated results): evaluation		

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

E2 and S2 (1)	Tube + homozyg. expression	± 2	titre 4	3,8 %
	(2) Tube + heterozyg. expression	± 1	titre 1	1,9 %
		± 3	titre 2	5,8 %
		± 1	titre 4	1,9 %
(3)	Column agglut.+ homozyg. expres.	± 3	titre 2	5,8 %
		± 7	titre 4	13 %
		± 1	titre 8	1,9 %
(4)	Column agglut.+ heterozyg. expres.	± 2	titre 1	3,8 %
		± 12	titre 2	23 %
		± 18	titre 4	35 %
		± 1	titre 8	1,9 %
(99)	Another measurement principle	± 1	titre 0 (not measurable)	1,9 %
Total per sample: n = 52		Success (only evaluated results): evaluation		

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

S1	All results	1	Crossmatch not successful	0,69 %
		>>> 144	Crossmatch successful	99 %
Total per sample: n = 145		Success: 99 %		
S2	All results	1	Crossmatch not successful	0,69 %
		>>> 144	Crossmatch successful	99 %
Total per sample: n = 145		Success: 99 %		
Total success: 99 %				

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

S1	(0) Not specified	> 2	Negative test	1,4 %
	(1) Tube test: IAT	> 1	Negative test	0,69 %
	(3) Column agglut.: IAT - automat	> 8	Negative test	5,5 %
		>>> 4	Positive test	2,8 %
	(5) Solid phase	> 2	Negative test	1,4 %
		>>> 1	Positive test	0,69 %
	(6) Microplate: IAT	> 1	Negative test	0,69 %
	(8) Column agglut.: IAT - manual	> 88	Negative test	61 %
		>>> 36	Positive test	25 %
	(9) Column agglut.: enzyme - manual	>>> 2	Positive test	1,4 %
Total per sample: n = 145		Success: 100 %		
S2	(0) Not specified	>>> 2	Negative test	1,4 %
	(1) Tube test: IAT	>>> 1	Negative test	0,69 %
	(3) Column agglut.: IAT - automat	>>> 12	Negative test	8,3 %
	(5) Solid phase	>>> 3	Negative test	2,1 %
	(6) Microplate: IAT	>>> 1	Negative test	0,69 %
	(8) Column agglut.: IAT - manual	>>> 123	Negative test	85 %
		1	Positive test	0,69 %
	(9) Column agglut.: enzyme - manual	>>> 2	Negative test	1,4 %
Total per sample: n = 145		Success: 99 %		
Total success: 99 %				

**(762) Serve transfusion product (segment K1)**

S1	(0) Not specified	± 65	Impossible, risk of haemolysis	45 %
		± 56	Decision depends on results of other tests not performed in our laboratory	39 %
		± 15	Only if more suitable products are not available	10 %
		± 9	Possible	6,2 %
Total per sample: n = 145		Success (only evaluated results): evaluation		
S2	(0) Not specified	± 2	Impossible, risk of haemolysis	1,4 %
		± 75	Decision depends on results of other tests not performed in our laboratory	52 %
		± 6	Only if more suitable products are not available	4,1 %
		± 62	Possible	43 %
Total per sample: n = 145		Success (only evaluated results): evaluation		

**(764) Crossmatch (segment K2)**

S1	(0) Not specified	>>> 2	Negative test	1,4 %
	(1) Tube test: IAT	>>> 1	Negative test	0,69 %
	(3) Column agglut.: IAT - automat	>>> 13	Negative test	9,0 %
	(5) Solid phase	>>> 3	Negative test	2,1 %
	(8) Column agglut.: IAT - manual	>>> 123	Negative test	85 %
		1	Positive test	0,69 %



## Summary statistics - qualitative results

(Groups: measurement principle)

## EQA round: IH1/18 - Blood Group Serology

Dead line: 15.03.2018

## Test

Sample	Group	N	Result	N <sub>rel</sub>
S1	(9) Column agglut.: enzyme - manual	>>> 2	Negative test	1,4 %
----- Total per sample: n = 145 ----- Success: 99 % -----				
S2	(0) Not specified	>>> 2	Positive test	1,4 %
	(1) Tube test: IAT	>>> 1	Positive test	0,69 %
	(3) Column agglut.: IAT - automat	>>> 13	Positive test	9,0 %
	(5) Solid phase	>>> 3	Positive test	2,1 %
	(8) Column agglut.: IAT - manual	>>> 1	Negative test	0,69 %
		>>> 123	Positive test	85 %
	(9) Column agglut.: enzyme - manual	>>> 2	Positive test	1,4 %
----- Total per sample: n = 145 ----- Success: 99 % -----				

Total success: 99 %

## (765) Serve transfusion product (segment K2)

S1	(0) Not specified	± 2	Impossible, risk of haemolysis	1,4 %
		± 74	Decision depends on results of other tests not performed in our laboratory	51 %
		± 53	Only if more suitable products are not available	37 %
		± 16	Possible	11 %
----- Total per sample: n = 145 ----- Success (only evaluated results): evaluation-----				
S2	(0) Not specified	± 143	Impossible, risk of haemolysis	99 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
----- Total per sample: n = 145 ----- Success (only evaluated results): evaluation-----				

st\_kl

End of report

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