Summary statistics - qualitative results

EQA round: IH3/20 - Blood Group Serology

Deadline: 17.09.2020

Key: >>> ... marks correct (expected) result
> ... marks conditionally correct (acceptable) result
± ... marks the result not evaluated

N ... number of the results
Nrel ... relative number of the results

Test Sample	Group		N	Result	N_{rel}
Set 1 and 2					
(700) AB0 blood group					
E1 and S1	All results	>>>	173	Blood group: 0	100 %
	Total per sample: n = 173	Success: 100 %			
E2 and S2	All results	>>>	172	Blood group: A	99 %
			1	Blood group: B	0,58 %
	Total per sample: n = 173	Success: 99 %			
Total success: 99 %					
(703) A subgroup					
E1 and S1	All results	>>>	47	Not specified	100 %
	Total per sample: n = 47	Success: 100 %			
E2 and S2	All results	>>>	46	A subgroup A1	98 %
			1	A subgroup A2	2,1 %
	Total per sample: n = 47	Success: 98 %			
Total success: 98 %					
(705) Rh D antigen (blood-donor)					
E1 and S1	All results		1	Not specified	0,91 %
		>>>	109	Negative (RhD-)	99 %
	Total per sample: n = 110	Success: 99 %			
E2 and S2	All results	>>>	110	Positive (RhD+)	100 %
	Total per sample: n = 110	Success: 100 %			
Total success: 99 %					
(709) Rh D antigen (recipient)					
E1 and S1	All results	>>>	162	Negative (RhD-)	100 %
	Total per sample: n = 162	Success: 100 %			
E2 and S2	All results	>>>	162	Positive (RhD+)	100 %
	Total per sample: n = 162	Success: 100 %			
Total success: 100 %					
(715) Antigen C					
E1 and S1	All results	>>>	87	Negative	100 %
	Total per sample: n = 87	Success: 100 %			
E2 and S2	All results	>>>	87	Positive	100 %
	Total per sample: n = 87	Success: 100 %			
Total success: 100 %					
(716) Antigen c					
E1 and S1	All results	>>>	87	Positive	100 %
	Total per sample: n = 87	Success: 100 %			
E2 and S2	All results	>>>	87	Negative	100 %
	Total per sample: n = 87	Success: 100 %			
Total success: 100 %					
(717) Antigen Cw					
E1 and S1	All results	>>>	68	Negative	100 %
	Total per sample: n = 68	Success: 100 %			
E2 and S2	All results	>>>	68	Negative	100 %
	Total per sample: n = 68	Success: 100 %			
Total success: 100 %					
(718) Antigen E					
E1 and S1	All results	>>>	87	Negative	100 %
	Total per sample: n = 87	Success: 100 %			
E2 and S2	All results	>>>	87	Negative	100 %
	Total per sample: n = 87	Success: 100 %			
Total success: 100 %					
(719) Antigen e					
E1 and S1	All results	>>>	87	Positive	100 %
	Total per sample: n = 87	Success: 100 %			
E2 and S2	All results	>>>	87	Positive	100 %
	Total per sample: n = 87	Success: 100 %			
Total success: 100 %					
(720) Antigen K					
E1 and S1	All results	>>>	94	Negative	100 %
	Total per sample: n = 94	Success: 100 %			
E2 and S2	All results	>>>	94	Negative	100 %

Test Sample	Group	N	Result	N_{rel}
	Total per sample: n = 94 - Success: 100 % -			
Total success: 100 %				

(721) Antigen k

E1 and S1	All results	>>> 45	Positive	100 %
	Total per sample: n = 45 - Success: 100 % -			
E2 and S2	All results	>>> 45	Positive	100 %
	Total per sample: n = 45 - Success: 100 % -			
Total success: 100 %				

(722) Antigen M

E1 and S1	All results	>>> 47	Positive	100 %
	Total per sample: n = 47 - Success: 100 % -			
E2 and S2	All results	>>> 47	Negative	100 %
	Total per sample: n = 47 - Success: 100 % -			
Total success: 100 %				

(723) Antigen N

E1 and S1	All results	>>> 45	Negative	100 %
	Total per sample: n = 45 - Success: 100 % -			
E2 and S2	All results	>>> 45	Positive	100 %
	Total per sample: n = 45 - Success: 100 % -			
Total success: 100 %				

(724) Antigen S

E1 and S1	All results	>>> 46	Positive	100 %
	Total per sample: n = 46 - Success: 100 % -			
E2 and S2	All results	>>> 46	Negative	100 %
	Total per sample: n = 46 - Success: 100 % -			
Total success: 100 %				

(725) Antigen s

E1 and S1	All results	>>> 46	Positive	100 %
	Total per sample: n = 46 - Success: 100 % -			
E2 and S2	All results	>>> 46	Positive	100 %
	Total per sample: n = 46 - Success: 100 % -			
Total success: 100 %				

(726) Antigen P1

E1 and S1	All results	1	Negative	3,0 %
		>>> 32	Positive	97 %
	Total per sample: n = 33 - Success: 97 % -			
E2 and S2	All results	1	Negative	3,0 %
		>>> 32	Positive	97 %
	Total per sample: n = 33 - Success: 97 % -			
Total success: 97 %				

(727) Antigen Fya

E1 and S1	All results	>>> 48	Positive	100 %
	Total per sample: n = 48 - Success: 100 % -			
E2 and S2	All results	>>> 48	Positive	100 %
	Total per sample: n = 48 - Success: 100 % -			
Total success: 100 %				

(728) Antigen Fyb

E1 and S1	All results	6	Negative	13 %
		>>> 42	Positive	88 %
	Total per sample: n = 48 - Success: 88 % -			
E2 and S2	All results	>>> 48	Negative	100 %
	Total per sample: n = 48 - Success: 100 % -			
Total success: 88 %				

(729) Antigen Jka

E1 and S1	All results	>>> 48	Positive	100 %
	Total per sample: n = 48 - Success: 100 % -			
E2 and S2	All results	>>> 48	Positive	100 %
	Total per sample: n = 48 - Success: 100 % -			
Total success: 100 %				

(730) Antigen Jkb

E1 and S1	All results	>>> 47	Positive	100 %
	Total per sample: n = 47 - Success: 100 % -			
E2 and S2	All results	>>> 47	Negative	100 %
	Total per sample: n = 47 - Success: 100 % -			
Total success: 100 %				

Summary statistics - qualitative results

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Test Sample	Group	N	Result	N_{rel}
(731) Antigen Lua				
E1 and S1	All results	>>> 30	Negative	100 %
	Total per sample: n = 30 - Success: 100 % -			
E2 and S2	All results	>>> 30	Negative	100 %
	Total per sample: n = 30 - Success: 100 % -			
Total success: 100 %				
(732) Antigen Lub				
E1 and S1	All results	>>> 31	Positive	100 %
	Total per sample: n = 31 - Success: 100 % -			
E2 and S2	All results	>>> 31	Positive	100 %
	Total per sample: n = 31 - Success: 100 % -			
Total success: 100 %				
(733) Antigen Lea				
E1 and S1	All results	>>> 36	Positive	100 %
	Total per sample: n = 36 - Success: 100 % -			
E2 and S2	All results	>>> 36	Negative	100 %
	Total per sample: n = 36 - Success: 100 % -			
Total success: 100 %				
(734) Antigen Leb				
E1 and S1	All results	>>> 36	Negative	100 %
	Total per sample: n = 36 - Success: 100 % -			
E2 and S2	All results	>>> 36	Positive	100 %
	Total per sample: n = 36 - Success: 100 % -			
Total success: 100 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1	All results	>>> 133	Negative	100 %
	Total per sample: n = 133 - Success: 100 % -			
E2 and S2	All results	>>> 133	Negative	100 %
	Total per sample: n = 133 - Success: 100 % -			
Total success: 100 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1	All results	>>> 93	Positive	100 %
	Total per sample: n = 93 - Success: 100 % -			
E2 and S2	All results	1	Not specified	1,1 %
		> 22	Negative	24 %
		>>> 70	Positive	75 %
	Total per sample: n = 93 - Success: 99 % -			
Total success: 99 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1	All results	1	Negative	0,68 %
		>>> 147	Positive	99 %
	Total per sample: n = 148 - Success: 99 % -			
E2 and S2	All results	2	Negative	1,4 %
		>>> 146	Positive	99 %
	Total per sample: n = 148 - Success: 99 % -			
Total success: 99 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1	All results	>>> 122	Positive	100 %
	Total per sample: n = 122 - Success: 100 % -			
E2 and S2	All results	1	Negative	0,82 %
		>>> 121	Positive	99 %
	Total per sample: n = 122 - Success: 99 % -			
Total success: 99 %				
(747) Antibody screening (enzyme test)				
E1 and S1	All results	>>> 48	Negative	49 %
		>>> 50	Positive	51 %
	Total per sample: n = 98 - Success: 100 % -			
E2 and S2	All results	2	Negative	2,0 %
		>>> 96	Positive	98 %
	Total per sample: n = 98 - Success: 98 % -			
Total success: 98 %				
(750) Antibody identification				
E1 and S1	All results	>>> 48	anti-K	100 %
	Total per sample: n = 48 - Success: 100 % -			
E2 and S2	All results	1	Not specified	2,1 %
		>>> 44	anti-c	92 %
		3	anti-c; anti-E	6,3 %

Test Sample	Group	N	Result	N_{rel}
	Total per sample: n = 48	Success: 92 %		
Total success: 92 %				

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

E1 and S1	All results	± 1	titre 2	2,4 %
		± 8	titre 4	19 %
		± 21	titre 8	50 %
		± 10	titre 16	24 %
		± 2	titre 32	4,8 %
	Total per sample: n = 42	Success (only evaluated results): evaluation		

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

E2 and S2	All results	± 4	titre 0 (not measurable)	10 %
		± 4	titre 1	10 %
		± 6	titre 2	15 %
		± 13	titre 4	33 %
		± 9	titre 8	23 %
		± 2	titre 16	5,0 %
		± 1	titre 32	2,5 %
		± 1	titre 64	2,5 %
	Total per sample: n = 40	Success (only evaluated results): evaluation		

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

E2 and S2	All results	± 1	titre 2	50 %
		± 1	titre 16	50 %
	Total per sample: n = 2	Success (only evaluated results): evaluation		

Set 3

(760) Crossmatch

S1	All results	2	Crossmatch not successful	1,6 %
		>>> 122	Crossmatch successful	98 %
	Total per sample: n = 124	Success: 98 %		
S2	All results	>>> 124	Crossmatch successful	100 %
	Total per sample: n = 124	Success: 100 %		
Total success: 98 %				

(761) Crossmatch (segment K1)

S1	All results	1	Negative test	0,81 %
		>>> 123	Positive test	99 %
	Total per sample: n = 124	Success: 99 %		
S2	All results	>>> 112	Negative test	90 %
		>>> 12	Positive test	9,7 %
	Total per sample: n = 124	Success: 100 %		
Total success: 99 %				

(762) Serve transfusion product (segment K1)

S1	All results	± 121	Impossible, risk of haemolysis	98 %
		± 3	Decision depends on results of other tests not performed in our laboratory	2,4 %
	Total per sample: n = 124	Success (only evaluated results): evaluation		
S2	All results	± 54	Impossible, risk of haemolysis	44 %
		± 48	Decision depends on results of other tests not performed in our laboratory	39 %
		± 8	Only if more suitable products are not available	6,5 %
		± 14	Possible	11 %
	Total per sample: n = 124	Success (only evaluated results): evaluation		

(764) Crossmatch (segment K2)

S1	All results	>>> 122	Negative test	98 %
		2	Positive test	1,6 %
	Total per sample: n = 124	Success: 98 %		
S2	All results	> 76	Negative test	61 %
		>>> 48	Positive test	39 %
	Total per sample: n = 124	Success: 100 %		
Total success: 98 %				

(765) Serve transfusion product (segment K2)

S1	All results	± 32	Impossible, risk of haemolysis	26 %
		± 40	Decision depends on results of other tests not performed in our laboratory	32 %
		± 31	Only if more suitable products are not available	25 %
		± 21	Possible	17 %
	Total per sample: n = 124	Success (only evaluated results): evaluation		
S2	All results	± 72	Impossible, risk of haemolysis	58 %
		± 36	Decision depends on results of other tests not performed in our laboratory	29 %

Summary statistics - qualitative results

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Test

Sample	Group		N	Result	N_{rel}
S2	All results	±	7	Only if more suitable products are not available	5,6 %
		±	9	Possible	7,3 %

Total per sample: n = 124 - Success (only evaluated results): evaluation

st_kl

End of report

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