

EQA round: IH1/22 - 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 All results	>>> 194	Blood group: B	100 %
_____ Total per sample: n = 194	Success: 100 %		
E2 and S2 All results	>>> 194	Blood group: A	100 %
_____ Total per sample: n = 194	Success: 100 %		
Total success: 100 %			

(703) A subgroup

E1 and S1 All results	>>> 52	Not specified	100 %
_____ Total per sample: n = 52	Success: 100 %		
E2 and S2 All results		1 A subgroup A1	1,9 %
	>>> 51	A subgroup A2	98 %
_____ Total per sample: n = 52	Success: 98 %		
Total success: 98 %			

(705) Rh D antigen (blood-donor)

E1 and S1 All results	>>> 122	Negative (RhD-)	100 %
_____ Total per sample: n = 122	Success: 100 %		
E2 and S2 All results	>>> 121	Negative (RhD-)	99 %
	1	Positive (RhD+)	0,82 %
_____ Total per sample: n = 122	Success: 99 %		
Total success: 99 %			

(709) Rh D antigen (recipient)

E1 and S1 All results	>>> 184	Negative (RhD-)	100 %
_____ Total per sample: n = 184	Success: 100 %		
E2 and S2 All results	>>> 184	Negative (RhD-)	100 %
_____ Total per sample: n = 184	Success: 100 %		
Total success: 100 %			

(715) Antigen C

E1 and S1 All results	>>> 102	Negative	100 %
_____ Total per sample: n = 102	Success: 100 %		
E2 and S2 All results	>>> 102	Negative	100 %
_____ Total per sample: n = 102	Success: 100 %		
Total success: 100 %			

(716) Antigen c

E1 and S1 All results	>>> 102	Positive	100 %
_____ Total per sample: n = 102	Success: 100 %		
E2 and S2 All results	>>> 102	Positive	100 %
_____ Total per sample: n = 102	Success: 100 %		
Total success: 100 %			

(717) Antigen Cw

E1 and S1 All results	>>> 80	Negative	100 %
_____ Total per sample: n = 80	Success: 100 %		
E2 and S2 All results	>>> 79	Negative	99 %
	1	Positive	1,3 %
_____ Total per sample: n = 80	Success: 99 %		
Total success: 99 %			

(718) Antigen E

E1 and S1 All results	>>> 102	Negative	100 %
_____ Total per sample: n = 102	Success: 100 %		
E2 and S2 All results	>>> 102	Negative	100 %
_____ Total per sample: n = 102	Success: 100 %		
Total success: 100 %			

(719) Antigen e

E1 and S1 All results	>>> 102	Positive	100 %
_____ Total per sample: n = 102	Success: 100 %		
E2 and S2 All results	>>> 102	Positive	100 %
_____ Total per sample: n = 102	Success: 100 %		
Total success: 100 %			

(720) Antigen K

E1 and S1 All results	>>> 109	Negative	100 %
_____ Total per sample: n = 109	Success: 100 %		
E2 and S2 All results	1	Not specified	0,92 %

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Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 All results		>>> 107	Negative	98 %
		1	Positive	0,92 %
Total per sample: n = 109		Success: 98 %		
Total success: 98 %				
(721) Antigen k				
E1 and S1 All results		>>> 44	Positive	100 %
Total per sample: n = 44		Success: 100 %		
E2 and S2 All results		>>> 44	Positive	100 %
Total per sample: n = 44		Success: 100 %		
Total success: 100 %				
(722) Antigen M				
E1 and S1 All results		>>> 49	Negative	100 %
Total per sample: n = 49		Success: 100 %		
E2 and S2 All results		>>> 49	Positive	100 %
Total per sample: n = 49		Success: 100 %		
Total success: 100 %				
(723) Antigen N				
E1 and S1 All results		>>> 46	Positive	100 %
Total per sample: n = 46		Success: 100 %		
E2 and S2 All results		>>> 45	Negative	98 %
		1	Positive	2,2 %
Total per sample: n = 46		Success: 98 %		
Total success: 98 %				
(724) Antigen S				
E1 and S1 All results		>>> 50	Negative	100 %
Total per sample: n = 50		Success: 100 %		
E2 and S2 All results		>>> 50	Positive	100 %
Total per sample: n = 50		Success: 100 %		
Total success: 100 %				
(725) Antigen s				
E1 and S1 All results		>>> 49	Positive	100 %
Total per sample: n = 49		Success: 100 %		
E2 and S2 All results		>>> 49	Positive	100 %
Total per sample: n = 49		Success: 100 %		
Total success: 100 %				
(726) Antigen P1				
E1 and S1 All results		>>> 37	Negative	100 %
Total per sample: n = 37		Success: 100 %		
E2 and S2 All results		>>> 37	Positive	100 %
Total per sample: n = 37		Success: 100 %		
Total success: 100 %				
(727) Antigen Fya				
E1 and S1 All results		>>> 50	Negative	100 %
Total per sample: n = 50		Success: 100 %		
E2 and S2 All results		1	Negative	2,0 %
		>>> 49	Positive	98 %
Total per sample: n = 50		Success: 98 %		
Total success: 98 %				
(728) Antigen Fyb				
E1 and S1 All results		1	Negative	2,0 %
		>>> 49	Positive	98 %
Total per sample: n = 50		Success: 98 %		
E2 and S2 All results		>>> 50	Negative	100 %
Total per sample: n = 50		Success: 100 %		
Total success: 98 %				
(729) Antigen Jka				
E1 and S1 All results		>>> 51	Negative	100 %
Total per sample: n = 51		Success: 100 %		
E2 and S2 All results		>>> 51	Negative	100 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				
(730) Antigen Jkb				
E1 and S1 All results		>>> 49	Positive	100 %
Total per sample: n = 49		Success: 100 %		
E2 and S2 All results		>>> 49	Positive	100 %

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Test		N	Result	N _{rel}
Sample	Group			
Total per sample: n = 49		Success: 100 %		
Total success: 100 %				
(731) Antigen Lua				
E1 and S1 All results	>>>	33	Negative	97 %
		1	Positive	2,9 %
Total per sample: n = 34		Success: 97 %		
E2 and S2 All results	>>>	33	Negative	97 %
		1	Positive	2,9 %
Total per sample: n = 34		Success: 97 %		
Total success: 97 %				
(732) Antigen Lub				
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 %				
(733) Antigen Lea				
E1 and S1 All results	>>>	3	Negative	8,1 %
		34	Positive	92 %
Total per sample: n = 37		Success: 92 %		
E2 and S2 All results	>>>	1	Negative	2,7 %
		36	Positive	97 %
Total per sample: n = 37		Success: 97 %		
Total success: 92 %				
(734) Antigen Leb				
E1 and S1 All results	>>>	36	Negative	97 %
		1	Positive	2,7 %
Total per sample: n = 37		Success: 97 %		
E2 and S2 All results	>>>	34	Negative	92 %
		3	Positive	8,1 %
Total per sample: n = 37		Success: 92 %		
Total success: 92 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results	>>>	151	Negative	100 %
Total per sample: n = 151		Success: 100 %		
E2 and S2 All results	>>>	149	Negative	99 %
		2	Positive	1,3 %
Total per sample: n = 151		Success: 99 %		
Total success: 99 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results	>>>	103	Positive	100 %
Total per sample: n = 103		Success: 100 %		
E2 and S2 All results	>>>	103	Positive	100 %
Total per sample: n = 103		Success: 100 %		
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results	>>>	170	Positive	100 %
Total per sample: n = 170		Success: 100 %		
E2 and S2 All results	>>>	170	Positive	100 %
Total per sample: n = 170		Success: 100 %		
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 All results	>>>	140	Positive	100 %
Total per sample: n = 140		Success: 100 %		
E2 and S2 All results	>>>	140	Positive	100 %
Total per sample: n = 140		Success: 100 %		
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results	>>>	105	Negative	97 %
		3	Positive	2,8 %
Total per sample: n = 108		Success: 97 %		
E2 and S2 All results	>>>	1	Negative	0,93 %
		107	Positive	99 %
Total per sample: n = 108		Success: 99 %		
Total success: 96 %				

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Test	Sample	Group	N	Result	N _{rel}
(750) Antibody identification					
	E1 and S1	All results	1	anti-Fya	1,9 %
			>>> 47	anti-Fya; anti-M	90 %
			4	anti-M	7,7 %
	Total per sample: n = 52			Success: 90 %	
	E2 and S2	All results	> 4	anti-D	7,7 %
			>>> 46	anti-D; anti-Jka	88 %
			1	anti-D; anti-Jka; anti-Cw	1,9 %
			1	anti-Jka; anti-N	1,9 %
	Total per sample: n = 52			Success: 96 %	
	Total success: 87 %				

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

E1 and S1	All results	± 2	titre 0 (not measurable)	5,3 %
		± 11	titre 1	29 %
		± 19	titre 2	50 %
		± 4	titre 4	11 %
		± 1	titre 8	2,6 %
		± 1	titre 16	2,6 %
	Total per sample: n = 38			Success (only evaluated results): evaluation

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

E1 and S1	All results	± 2	titre 0 (not measurable)	4,9 %
		± 9	titre 1	22 %
		± 9	titre 2	22 %
		± 13	titre 4	32 %
		± 6	titre 8	15 %
		± 1	titre 16	2,4 %
		± 1	titre 32	2,4 %
	Total per sample: n = 41			Success (only evaluated results): evaluation

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

E2 and S2	All results	± 1	titre 256	2,4 %
		± 1	titre 512	2,4 %
		± 4	titre 8	9,5 %
		± 6	titre 16	14 %
		± 12	titre 32	29 %
		± 8	titre 64	19 %
		± 10	titre 128	24 %
	Total per sample: n = 42			Success (only evaluated results): evaluation

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

E2 and S2	All results	± 5	titre 0 (not measurable)	15 %
		± 9	titre 1	27 %
		± 16	titre 2	48 %
		± 2	titre 4	6,1 %
		± 1	titre 32	3,0 %
	Total per sample: n = 33			Success (only evaluated results): evaluation

Set 3**(760) Crossmatch**

S1	All results	33	Crossmatch not successful	24 %	
		>>> 106	Crossmatch successful	76 %	
	Total per sample: n = 139			Success: 76 %	
S2	All results	1	Crossmatch not successful	0,72 %	
		>>> 138	Crossmatch successful	99 %	
	Total per sample: n = 139			Success: 99 %	
	Total success: 76 %				

(761) Crossmatch (segment K1)

S1	All results	33	Negative test	24 %	
		>>> 106	Positive test	76 %	
	Total per sample: n = 139			Success: 76 %	
S2	All results	>>> 115	Negative test	83 %	
		> 24	Positive test	17 %	
	Total per sample: n = 139			Success: 100 %	
	Total success: 76 %				

(762) Serve transfusion product (segment K1)

S1	All results	± 109	Impossible, risk of haemolysis	78 %
		± 22	Decision depends on results of other tests not performed in our laboratory	16 %
		± 5	Only if more suitable products are not available	3,6 %
		± 3	Possible	2,2 %
	Total per sample: n = 139			Success (only evaluated results): evaluation

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Test	Sample	Group	N	Result	N _{rel}
	S2	All results	± 58	Impossible, risk of haemolysis	42 %
			± 68	Decision depends on results of other tests not performed in our laboratory	49 %
			± 6	Only if more suitable products are not available	4,3 %
			± 7	Possible	5,0 %
----- Total per sample: n = 139 ----- Success (only evaluated results): evaluation-----					

(764) Crossmatch (segment K2)

S1	All results		5	Negative test	3,6 %
			>>> 134	Positive test	96 %
----- Total per sample: n = 139 ----- Success: 96 % -----					
S2	All results		1	Negative test	0,72 %
			>>> 138	Positive test	99 %
----- Total per sample: n = 139 ----- Success: 99 % -----					
Total success: 96 %					

(765) Serve transfusion product (segment K2)

S1	All results		± 133	Impossible, risk of haemolysis	96 %
			± 4	Decision depends on results of other tests not performed in our laboratory	2,9 %
			± 2	Only if more suitable products are not available	1,4 %
----- Total per sample: n = 139 ----- Success (only evaluated results): evaluation-----					
S2	All results		± 136	Impossible, risk of haemolysis	98 %
			± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
			± 1	Possible	0,72 %
----- Total per sample: n = 139 ----- Success (only evaluated results): evaluation-----					

st_kl

End of report

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