

EQA round: IH2/18 - Blood Group Serology

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 of samples 1 and 2					
(700) AB0 blood group					
E1 and S1All results			>>> 126	Blood group: 0	100 %
_____ Total per sample: n = 126			Success: 100 %		
E2 and S2All results			>>> 126	Blood group: A	100 %
_____ Total per sample: n = 126			Success: 100 %		
Total success: 100 %					
(703) A subgroup					
E1 and S1All results			>>> 37	Not specified	100 %
_____ Total per sample: n = 37			Success: 100 %		
E2 and S2All results			>>> 37	A subgroup A1	100 %
_____ Total per sample: n = 37			Success: 100 %		
Total success: 100 %					
(705) Rh D antigen (blood-donor)					
E1 and S1All results			>>> 78	Positive (RhD+)	99 %
				1 w/v (RhD weak/variant)	1,3 %
_____ Total per sample: n = 79			Success: 99 %		
E2 and S2All results			>>> 79	Positive (RhD+)	100 %
_____ Total per sample: n = 79			Success: 100 %		
Total success: 99 %					
(709) Rh D antigen (recipient)					
E1 and S1All results				1 Negative (RhD-)	0,82 %
			>>> 121	Positive (RhD+)	99 %
_____ Total per sample: n = 122			Success: 99 %		
E2 and S2All results			>>> 122	Positive (RhD+)	100 %
_____ Total per sample: n = 122			Success: 100 %		
Total success: 99 %					
(715) Antigen C					
E1 and S1All results			>>> 52	Positive	100 %
_____ Total per sample: n = 52			Success: 100 %		
E2 and S2All results			>>> 52	Positive	100 %
_____ Total per sample: n = 52			Success: 100 %		
Total success: 100 %					
(716) Antigen c					
E1 and S1All results			>>> 52	Positive	100 %
_____ Total per sample: n = 52			Success: 100 %		
E2 and S2All results			>>> 52	Negative	100 %
_____ Total per sample: n = 52			Success: 100 %		
Total success: 100 %					
(717) Antigen Cw					
E1 and S1All results			>>> 40	Negative	98 %
				1 Positive	2,4 %
_____ Total per sample: n = 41			Success: 98 %		
E2 and S2All results			>>> 41	Negative	100 %
_____ Total per sample: n = 41			Success: 100 %		
Total success: 98 %					
(718) Antigen E					
E1 and S1All results			>>> 52	Negative	100 %
_____ Total per sample: n = 52			Success: 100 %		
E2 and S2All results			>>> 52	Negative	100 %
_____ Total per sample: n = 52			Success: 100 %		
Total success: 100 %					
(719) Antigen e					
E1 and S1All results			>>> 52	Positive	100 %
_____ Total per sample: n = 52			Success: 100 %		
E2 and S2All results			>>> 52	Positive	100 %
_____ Total per sample: n = 52			Success: 100 %		
Total success: 100 %					
(720) Antigen K					
E1 and S1All results			>>> 56	Negative	100 %
_____ Total per sample: n = 56			Success: 100 %		
E2 and S2All results			>>> 56	Negative	100 %
_____ Total per sample: n = 56			Success: 100 %		

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Test

Sample	Group	N	Result	N _{rel}
Total success: 100 %				
(721) Antigen k				
E1 and S1 All results		>>> 35	Positive	100 %
_____ Total per sample: n = 35	_____ Success: 100 %			
E2 and S2 All results		>>> 35	Positive	100 %
_____ Total per sample: n = 35	_____ Success: 100 %			
Total success: 100 %				
(722) Antigen M				
E1 and S1 All results		>>> 31	Negative	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 %				
(723) Antigen N				
E1 and S1 All results		>>> 29	Positive	100 %
_____ Total per sample: n = 29	_____ Success: 100 %			
E2 and S2 All results			1 Negative	3,4 %
_____ Total per sample: n = 29	_____ Success: 97 %	>>> 28	Positive	97 %
Total success: 97 %				
(724) Antigen S				
E1 and S1 All results		>>> 31	Negative	100 %
_____ Total per sample: n = 31	_____ Success: 100 %			
E2 and S2 All results		>>> 31	Negative	100 %
_____ Total per sample: n = 31	_____ Success: 100 %			
Total success: 100 %				
(725) Antigen s				
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 %				
(726) Antigen P1				
E1 and S1 All results		>>> 24	Positive	100 %
_____ Total per sample: n = 24	_____ Success: 100 %			
E2 and S2 All results			2 Negative	8,3 %
_____ Total per sample: n = 24	_____ Success: 92 %	>>> 22	Positive	92 %
Total success: 92 %				
(727) Antigen Fya				
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 %				
(728) Antigen Fyb				
E1 and S1 All results			1 Negative	3,2 %
_____ Total per sample: n = 31	_____ Success: 97 %	>>> 30	Positive	97 %
E2 and S2 All results			1 Negative	3,2 %
_____ Total per sample: n = 31	_____ Success: 97 %	>>> 30	Positive	97 %
Total success: 97 %				
(729) Antigen Jka				
E1 and S1 All results		>>> 30	Positive	100 %
_____ Total per sample: n = 30	_____ Success: 100 %			
E2 and S2 All results		>>> 30	Positive	100 %
_____ Total per sample: n = 30	_____ Success: 100 %			
Total success: 100 %				
(730) Antigen Jkb				
E1 and S1 All results		>>> 30	Negative	100 %
_____ Total per sample: n = 30	_____ Success: 100 %			
E2 and S2 All results		>>> 30	Positive	100 %
_____ Total per sample: n = 30	_____ Success: 100 %			
Total success: 100 %				
(731) Antigen Lua				

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Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 All results		>>> 24	Negative	100 %
-----	Total per sample: n = 24	-----	Success: 100 %	-----
E2 and S2 All results		>>> 24	Negative	100 %
-----	Total per sample: n = 24	-----	Success: 100 %	-----
Total success: 100 %				
(732) Antigen Lub				
E1 and S1 All results		>>> 23	Positive	100 %
-----	Total per sample: n = 23	-----	Success: 100 %	-----
E2 and S2 All results		>>> 23	Positive	100 %
-----	Total per sample: n = 23	-----	Success: 100 %	-----
Total success: 100 %				
(733) Antigen Lea				
E1 and S1 All results		>>> 28	Negative	100 %
-----	Total per sample: n = 28	-----	Success: 100 %	-----
E2 and S2 All results		>>> 28	Negative	100 %
-----	Total per sample: n = 28	-----	Success: 100 %	-----
Total success: 100 %				
(734) Antigen Leb				
E1 and S1 All results		>>> 28	Positive	100 %
-----	Total per sample: n = 28	-----	Success: 100 %	-----
E2 and S2 All results		>>> 27	Positive	96 %
-----	Total per sample: n = 28	-----	Success: 96 %	-----
Total success: 96 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results		>>> 104	Negative	100 %
-----	Total per sample: n = 104	-----	Success: 100 %	-----
E2 and S2 All results		>>> 103	Negative	99 %
-----	Total per sample: n = 104	-----	Success: 99 %	-----
Total success: 99 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results		>>> 76	Positive	100 %
-----	Total per sample: n = 76	-----	Success: 100 %	-----
E2 and S2 All results		>>> 76	Positive	100 %
-----	Total per sample: n = 76	-----	Success: 100 %	-----
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results		>>> 115	Positive	100 %
-----	Total per sample: n = 115	-----	Success: 100 %	-----
E2 and S2 All results		>>> 115	Positive	100 %
-----	Total per sample: n = 115	-----	Success: 100 %	-----
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 All results		>>> 94	Positive	100 %
-----	Total per sample: n = 94	-----	Success: 100 %	-----
E2 and S2 All results		>>> 94	Positive	100 %
-----	Total per sample: n = 94	-----	Success: 100 %	-----
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results		>>> 91	Positive	100 %
-----	Total per sample: n = 91	-----	Success: 100 %	-----
E2 and S2 All results		>>> 91	Positive	100 %
-----	Total per sample: n = 91	-----	Success: 100 %	-----
Total success: 100 %				
(750) Antibody identification				
E1 and S1 All results		>>> 33	anti-E; anti-Cw	100 %
-----	Total per sample: n = 33	-----	Success: 100 %	-----
E2 and S2 All results		>>> 33	anti-E; anti-S	100 %
-----	Total per sample: n = 33	-----	Success: 100 %	-----
Total success: 100 %				
(752) Antibody titre, Sample 1: 1st antibody				
E1 and S1 All results		± 1	titre 256	3,8 %
		± 1	titre 2	3,8 %
		± 7	titre 8	27 %
		± 8	titre 16	31 %

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1	All results	± 7	titre 32	27 %
		± 2	titre 64	7,7 %
Total per sample: n = 26		Success (only evaluated results): evaluation		

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

E1 and S1	All results	± 1	titre 2	3,8 %
		± 9	titre 8	35 %
		± 6	titre 16	23 %
		± 8	titre 32	31 %
		± 2	titre 64	7,7 %
Total per sample: n = 26		Success (only evaluated results): evaluation		

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

E2 and S2	All results	± 2	titre 256	7,7 %
		± 2	titre 4	7,7 %
		± 2	titre 8	7,7 %
		± 5	titre 16	19 %
		± 8	titre 32	31 %
		± 6	titre 64	23 %
		± 1	titre 128	3,8 %
Total per sample: n = 26		Success (only evaluated results): evaluation		

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

E2 and S2	All results	± 1	titre 0 (not measurable)	3,8 %
		± 9	titre 8	35 %
		± 11	titre 16	42 %
		± 5	titre 32	19 %
Total per sample: n = 26		Success (only evaluated results): evaluation		

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

S1	All results	>>> 102	Crossmatch successful	100 %
Total per sample: n = 102		Success: 100 %		
S2	All results	>>> 102	Crossmatch successful	100 %
Total per sample: n = 102		Success: 100 %		
Total success: 100 %				

(761) Crossmatch (segment K1)

S1	All results	>>> 102	Positive test	100 %
Total per sample: n = 102		Success: 100 %		
S2	All results	>>> 102	Negative test	100 %
Total per sample: n = 102		Success: 100 %		
Total success: 100 %				

(762) Serve transfusion product (segment K1)

S1	All results	± 100	Impossible, risk of haemolysis	99 %
		± 1	Decision depends on results of other tests not performed in our laboratory	0,99 %
Total per sample: n = 101		Success (only evaluated results): evaluation		
S2	All results	± 2	Impossible, risk of haemolysis	2,0 %
		± 54	Decision depends on results of other tests not performed in our laboratory	53 %
		± 32	Only if more suitable products are not available	32 %
		± 13	Possible	13 %
Total per sample: n = 101		Success (only evaluated results): evaluation		

(764) Crossmatch (segment K2)

S1	All results	>>> 102	Negative test	100 %
Total per sample: n = 102		Success: 100 %		
S2	All results	>>> 102	Positive test	100 %
Total per sample: n = 102		Success: 100 %		
Total success: 100 %				

(765) Serve transfusion product (segment K2)

S1	All results	± 1	Impossible, risk of haemolysis	0,99 %
		± 53	Decision depends on results of other tests not performed in our laboratory	52 %
		± 18	Only if more suitable products are not available	18 %
		± 29	Possible	29 %
Total per sample: n = 101		Success (only evaluated results): evaluation		
S2	All results	± 100	Impossible, risk of haemolysis	99 %
		± 1	Decision depends on results of other tests not performed in our laboratory	0,99 %
Total per sample: n = 101		Success (only evaluated results): evaluation		