

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}
Set 1 and 2				
(700) AB0 blood group				
E1 and S1	All results	>>> 145	Blood group: B	100 %
Total per sample: n = 145		Success: 100 %		
E2 and S2	All results	>>> 144	Blood group: A	99 %
Total per sample: n = 145		Success: 99 %		
Total success: 99 %				
(703) A subgroup				
E1 and S1	All results	>>> 49	Not specified	98 %
Total per sample: n = 50		Success: 98 %	1 A subgroup A1	2.0 %
E2 and S2	All results	>>> 49	A subgroup A1	98 %
Total per sample: n = 50		Success: 98 %		
Total success: 98 %				
(705) Rh D antigen (blood-donor)				
E1 and S1	All results	>>> 85	Positive (RhD+)	100 %
Total per sample: n = 85		Success: 100 %		
E2 and S2	All results	>>> 84	Positive (RhD+)	99 %
Total per sample: n = 85		Success: 99 %	1 Not specified	1.2 %
Total success: 99 %				
(709) Rh D antigen (recipient)				
E1 and S1	All results	>>> 134	Positive (RhD+)	100 %
Total per sample: n = 134		Success: 100 %		
E2 and S2	All results	>>> 133	Positive (RhD+)	99 %
Total per sample: n = 134		Success: 99 %	1 Not specified	0.75 %
Total success: 99 %				
(715) Antigen C				
E1 and S1	All results	>>> 73	Positive	100 %
Total per sample: n = 73		Success: 100 %		
E2 and S2	All results	>>> 72	Positive	99 %
Total per sample: n = 73		Success: 99 %	1 Not specified	1.4 %
Total success: 99 %				
(716) Antigen c				
E1 and S1	All results	>>> 73	Negative	100 %
Total per sample: n = 73		Success: 100 %		
E2 and S2	All results	>>> 72	Positive	99 %
Total per sample: n = 73		Success: 99 %	1 Not specified	1.4 %
Total success: 99 %				
(717) Antigen Cw				
E1 and S1	All results	>>> 60	Negative	100 %
Total per sample: n = 60		Success: 100 %		
E2 and S2	All results	>>> 59	Negative	98 %
Total per sample: n = 60		Success: 98 %	1 Not specified	1.7 %
Total success: 98 %				
(718) Antigen E				
E1 and S1	All results	>>> 73	Negative	100 %
Total per sample: n = 73		Success: 100 %		
E2 and S2	All results	>>> 72	Negative	99 %
Total per sample: n = 73		Success: 99 %	1 Not specified	1.4 %
Total success: 99 %				
(719) Antigen e				
E1 and S1	All results	>>> 73	Positive	100 %
Total per sample: n = 73		Success: 100 %		
E2 and S2	All results	>>> 72	Positive	99 %
Total per sample: n = 73		Success: 99 %	1 Not specified	1.4 %

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Test	Sample	Group	N	Result	N _{rel}
Total per sample: n = 73 ----- Success: 99 % -----					
Total success: 99 %					
(720) Antigen K					
E1 and S1 All results		>>>	75	Negative	99 %
			1	Positive	1,3 %
Total per sample: n = 76 ----- Success: 99 % -----					
E2 and S2 All results		>>>	75	Negative	99 %
			1	Not specified	1,3 %
Total per sample: n = 76 ----- Success: 99 % -----					
Total success: 97 %					
(721) Antigen k					
E1 and S1 All results		>>>	41	Positive	100 %
Total per sample: n = 41 ----- Success: 100 % -----					
E2 and S2 All results		>>>	41	Positive	100 %
Total per sample: n = 41 ----- Success: 100 % -----					
Total success: 100 %					
(722) Antigen M					
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 %					
(723) Antigen N					
E1 and S1 All results		>>>	33	Positive	100 %
Total per sample: n = 33 ----- Success: 100 % -----					
E2 and S2 All results		>>>	33	Negative	100 %
Total per sample: n = 33 ----- Success: 100 % -----					
Total success: 100 %					
(724) Antigen S					
E1 and S1 All results		>>>	39	Positive	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
E2 and S2 All results		>>>	39	Negative	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
Total success: 100 %					
(725) Antigen s					
E1 and S1 All results		>>>	38	Positive	100 %
Total per sample: n = 38 ----- Success: 100 % -----					
E2 and S2 All results		>>>	38	Positive	100 %
Total per sample: n = 38 ----- Success: 100 % -----					
Total success: 100 %					
(726) Antigen P1					
E1 and S1 All results		>>>	26	Positive	100 %
Total per sample: n = 26 ----- Success: 100 % -----					
E2 and S2 All results		>>>	26	Positive	100 %
Total per sample: n = 26 ----- Success: 100 % -----					
Total success: 100 %					
(727) Antigen Fya					
E1 and S1 All results		>>>	39	Positive	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
E2 and S2 All results		>>>	39	Negative	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
Total success: 100 %					
(728) Antigen Fyb					
E1 and S1 All results		>>>	39	Positive	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
E2 and S2 All results		>>>	39	Positive	100 %
Total per sample: n = 39 ----- Success: 100 % -----					
Total success: 100 %					
(729) Antigen Jka					
E1 and S1 All results		>>>	39	Negative	98 %
			1	Positive	2,5 %
Total per sample: n = 40 ----- Success: 98 % -----					
E2 and S2 All results		>>>	39	Negative	98 %
			1	Positive	2,5 %
Total per sample: n = 40 ----- Success: 98 % -----					
Total success: 98 %					

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Test		N	Result	N _{rel}
Sample	Group			
(730) Antigen Jkb				
E1 and S1 All results		1	Negative	2,5 %
		>>> 39	Positive	98 %
-----	Total per sample: n = 40	-----	Success: 98 %	-----
E2 and S2 All results		1	Negative	2,5 %
		>>> 39	Positive	98 %
-----	Total per sample: n = 40	-----	Success: 98 %	-----
Total success: 98 %				
(731) Antigen Lua				
E1 and S1 All results		>>> 25	Negative	100 %
-----	Total per sample: n = 25	-----	Success: 100 %	-----
E2 and S2 All results		>>> 25	Negative	100 %
-----	Total per sample: n = 25	-----	Success: 100 %	-----
Total success: 100 %				
(732) Antigen Lub				
E1 and S1 All results		>>> 26	Positive	100 %
-----	Total per sample: n = 26	-----	Success: 100 %	-----
E2 and S2 All results		>>> 26	Positive	100 %
-----	Total per sample: n = 26	-----	Success: 100 %	-----
Total success: 100 %				
(733) Antigen Lea				
E1 and S1 All results		>>> 29	Negative	100 %
-----	Total per sample: n = 29	-----	Success: 100 %	-----
E2 and S2 All results		>>> 29	Negative	100 %
-----	Total per sample: n = 29	-----	Success: 100 %	-----
Total success: 100 %				
(734) Antigen Leb				
E1 and S1 All results		>>> 29	Positive	100 %
-----	Total per sample: n = 29	-----	Success: 100 %	-----
E2 and S2 All results		1	Negative	3,4 %
		>>> 28	Positive	97 %
-----	Total per sample: n = 29	-----	Success: 97 %	-----
Total success: 97 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results		>>> 119	Negative	99 %
		1	Positive	0,83 %
-----	Total per sample: n = 120	-----	Success: 99 %	-----
E2 and S2 All results		1	Not specified	0,83 %
		>>> 118	Negative	98 %
		1	Positive	0,83 %
-----	Total per sample: n = 120	-----	Success: 98 %	-----
Total success: 98 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results		>>> 80	Positive	100 %
-----	Total per sample: n = 80	-----	Success: 100 %	-----
E2 and S2 All results		1	Not specified	1,3 %
		>>> 79	Positive	99 %
-----	Total per sample: n = 80	-----	Success: 99 %	-----
Total success: 99 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results		>>> 125	Positive	100 %
-----	Total per sample: n = 125	-----	Success: 100 %	-----
E2 and S2 All results		1	Not specified	0,80 %
		>>> 124	Positive	99 %
-----	Total per sample: n = 125	-----	Success: 99 %	-----
Total success: 99 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 All results		>>> 107	Positive	100 %
-----	Total per sample: n = 107	-----	Success: 100 %	-----
E2 and S2 All results		1	Not specified	0,93 %
		>>> 106	Positive	99 %
-----	Total per sample: n = 107	-----	Success: 99 %	-----
Total success: 99 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results		>>> 98	Positive	100 %
-----	Total per sample: n = 98	-----	Success: 100 %	-----
E2 and S2 All results		1	Not specified	1,0 %

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Test		N	Result	N _{rel}
Sample	Group			
E2 and S2	All results	> 24	Negative	24 %
		>>> 73	Positive	74 %
Total per sample: n = 98		Success: 99 %		
Total success: 99 %				

(750) Antibody identification

E1 and S1	All results	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	All results	> 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	All results	± 1	titre 4	2,9 %
		± 8	titre 8	24 %
		± 10	titre 16	29 %
		± 3	titre 32	8,8 %
		± 8	titre 64	24 %
		± 4	titre 128	12 %
Total per sample: n = 34		Success (only evaluated results): not assessed		

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

E1 and S1	All results	± 1	titre 0 (not measurable)	4,5 %
		± 4	titre 256	18 %
		± 3	titre 512	14 %
		± 4	titre 32	18 %
		± 7	titre 64	32 %
		± 3	titre 128	14 %
Total per sample: n = 22		Success (only evaluated results): not assessed		

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

E1 and S1	All results	± 1	titre 8	50 %
		± 1	titre 32	50 %
Total per sample: n = 2		Success (only evaluated results): not assessed		

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

E2 and S2	All results	± 1	titre 0 (not measurable)	3,6 %
		± 1	titre 1	3,6 %
		± 12	titre 8	43 %
		± 11	titre 16	39 %
		± 3	titre 32	11 %
Total per sample: n = 28		Success (only evaluated results): not assessed		

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

E2 and S2	All results	± 6	titre 1	18 %
		± 6	titre 2	18 %
		± 8	titre 4	24 %
		± 10	titre 8	29 %
		± 3	titre 32	8,8 %
		± 1	titre 128	2,9 %
Total per sample: n = 34		Success (only evaluated results): not assessed		

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

E2 and S2	All results	± 1	titre 1	33 %
		± 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	All results	>>> 117	Positive test	100 %
Total per sample: n = 117		Success: 100 %		
S2	All results	> 36	Negative test	31 %
		>>> 81	Positive test	69 %

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Test	Sample	Group	N	Result	N _{rel}
Total per sample: n = 117 - Success: 100 % -					
Total success: 100 %					

(762) Serve transfusion product (segment K1)

S1	All results		± 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 -					
S2	All results		± 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	All results		>>> 117	Negative test	100 %
Total per sample: n = 117 - Success: 100 % -					
S2	All results		>>> 117	Positive test	100 %
Total per sample: n = 117 - Success: 100 % -					
Total success: 100 %					

(765) Serve transfusion product (segment K2)

S1	All results		± 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	All results		± 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 -					

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End of report

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