

EQA round: IH4/22 - 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	>>>	161	Blood group: A	99 %
		1	Blood group: B	0,62 %
————— Total per sample: n = 162	——— Success: 99 %			
E2 and S2 All results	>>>	161	Blood group: 0	99 %
		1	Blood group: A	0,62 %
————— Total per sample: n = 162	——— Success: 99 %			
Total success: 99 %				

(703) A subgroup

E1 and S1 All results	>>>	51	A subgroup A1	100 %
————— Total per sample: n = 51	——— Success: 100 %			
E2 and S2 All results	>>>	51	Not specified	100 %
————— Total per sample: n = 51	——— Success: 100 %			
Total success: 100 %				

(705) Rh D antigen (blood-donor)

E1 and S1 All results	>>>	95	Positive (RhD+)	100 %
————— Total per sample: n = 95	——— Success: 100 %			
E2 and S2 All results	>>>	95	Negative (RhD-)	100 %
————— Total per sample: n = 95	——— Success: 100 %			
Total success: 100 %				

(709) Rh D antigen (recipient)

E1 and S1 All results		1	Negative (RhD-)	0,66 %
	>>>	151	Positive (RhD+)	99 %
————— Total per sample: n = 152	——— Success: 99 %			
E2 and S2 All results	>>>	152	Negative (RhD-)	100 %
————— Total per sample: n = 152	——— Success: 100 %			
Total success: 99 %				

(715) Antigen C

E1 and S1 All results	>>>	82	Positive	100 %
————— Total per sample: n = 82	——— Success: 100 %			
E2 and S2 All results	>>>	82	Negative	100 %
————— Total per sample: n = 82	——— Success: 100 %			
Total success: 100 %				

(716) Antigen c

E1 and S1 All results	>>>	82	Negative	100 %
————— Total per sample: n = 82	——— Success: 100 %			
E2 and S2 All results	>>>	82	Positive	100 %
————— Total per sample: n = 82	——— Success: 100 %			
Total success: 100 %				

(717) Antigen Cw

E1 and S1 All results	>>>	65	Negative	100 %
————— Total per sample: n = 65	——— Success: 100 %			
E2 and S2 All results	>>>	65	Negative	100 %
————— Total per sample: n = 65	——— Success: 100 %			
Total success: 100 %				

(718) Antigen E

E1 and S1 All results	>>>	82	Negative	100 %
————— Total per sample: n = 82	——— Success: 100 %			
E2 and S2 All results	>>>	82	Negative	100 %
————— Total per sample: n = 82	——— Success: 100 %			
Total success: 100 %				

(719) Antigen e

E1 and S1 All results	>>>	82	Positive	100 %
————— Total per sample: n = 82	——— Success: 100 %			
E2 and S2 All results	>>>	82	Positive	100 %
————— Total per sample: n = 82	——— Success: 100 %			
Total success: 100 %				

(720) Antigen K

E1 and S1 All results	>>>	85	Negative	100 %
————— Total per sample: n = 85	——— Success: 100 %			
E2 and S2 All results	>>>	85	Negative	100 %

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Test	Sample	Group	N	Result	N _{rel}
Total per sample: n = 85 ----- Success: 100 % -----					
Total success: 100 %					
(721) Antigen k					
E1 and S1 All results			>>> 43	Positive	100 %
Total per sample: n = 43 ----- Success: 100 % -----					
E2 and S2 All results			>>> 43	Positive	100 %
Total per sample: n = 43 ----- Success: 100 % -----					
Total success: 100 %					
(722) Antigen M					
E1 and S1 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
E2 and S2 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
Total success: 100 %					
(723) Antigen N					
E1 and S1 All results			>>> 37	Positive	100 %
Total per sample: n = 37 ----- Success: 100 % -----					
E2 and S2 All results			>>> 37	Negative	100 %
Total per sample: n = 37 ----- Success: 100 % -----					
Total success: 100 %					
(724) Antigen S					
E1 and S1 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
E2 and S2 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
Total success: 100 %					
(725) Antigen s					
E1 and S1 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
E2 and S2 All results			>>> 40	Positive	100 %
Total per sample: n = 40 ----- Success: 100 % -----					
Total success: 100 %					
(726) Antigen P1					
E1 and S1 All results			1	Negative	3,4 %
			>>> 28	Positive	97 %
Total per sample: n = 29 ----- Success: 97 % -----					
E2 and S2 All results			>>> 29	Positive	100 %
Total per sample: n = 29 ----- Success: 100 % -----					
Total success: 97 %					
(727) Antigen Fya					
E1 and S1 All results			>>> 41	Negative	100 %
Total per sample: n = 41 ----- Success: 100 % -----					
E2 and S2 All results			>>> 41	Negative	100 %
Total per sample: n = 41 ----- Success: 100 % -----					
Total success: 100 %					
(728) Antigen Fyb					
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 %					
(729) Antigen Jka					
E1 and S1 All results			>>> 41	Negative	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 %					
(730) Antigen Jkb					
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 %					
(731) Antigen Lua					
E1 and S1 All results			>>> 25	Negative	100 %
Total per sample: n = 25 ----- Success: 100 % -----					

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Test		N	Result	N _{rel}
Sample	Group			
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		>>> 25	Positive	100 %
_____ Total per sample: n = 25		Success: 100 %		
E2 and S2 All results		>>> 25	Positive	100 %
_____ Total per sample: n = 25		Success: 100 %		
Total success: 100 %				
(733) Antigen Lea				
E1 and S1 All results		>>> 33	Negative	97 %
		1	Positive	2,9 %
_____ Total per sample: n = 34		Success: 97 %		
E2 and S2 All results		>>> 34	Negative	100 %
_____ Total per sample: n = 34		Success: 100 %		
Total success: 97 %				
(734) Antigen Leb				
E1 and S1 All results		>>> 34	Negative	100 %
_____ Total per sample: n = 34		Success: 100 %		
E2 and S2 All results		>>> 34	Positive	100 %
_____ Total per sample: n = 34		Success: 100 %		
Total success: 100 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results		>>> 135	Negative	100 %
_____ Total per sample: n = 135		Success: 100 %		
E2 and S2 All results		>>> 135	Negative	100 %
_____ Total per sample: n = 135		Success: 100 %		
Total success: 100 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results		>>> 87	Positive	100 %
_____ Total per sample: n = 87		Success: 100 %		
E2 and S2 All results		>>> 1	Not specified	1,1 %
		86	Positive	99 %
_____ Total per sample: n = 87		Success: 99 %		
Total success: 99 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results		>>> 144	Positive	100 %
_____ Total per sample: n = 144		Success: 100 %		
E2 and S2 All results		>>> 144	Positive	100 %
_____ Total per sample: n = 144		Success: 100 %		
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
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 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results		1	Not specified	0,92 %
		1	Negative	0,92 %
		>>> 107	Positive	98 %
_____ Total per sample: n = 109		Success: 98 %		
E2 and S2 All results		>>> 109	Positive	100 %
_____ Total per sample: n = 109		Success: 100 %		
Total success: 98 %				
(750) Antibody identification				
E1 and S1 All results		>	44 anti-E; anti-Fya	88 %
		1	anti-E; anti-Fya; anti-Cw	2,0 %
		>>> 5	anti-E; anti-Fya; anti-Wra	10 %
_____ Total per sample: n = 50		Success: 98 %		
E2 and S2 All results		>>> 49	anti-D	98 %
		1	anti-D; anti-Cw	2,0 %
_____ Total per sample: n = 50		Success: 98 %		
Total success: 98 %				
(752) Antibody titre, Sample 1: 1st antibody				

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Test	Sample	Group	N	Result	N _{rel}
	E1 and S1	All results	± 3	titre 4	9,7 %
			± 8	titre 8	26 %
			± 4	titre 16	13 %
			± 12	titre 32	39 %
			± 3	titre 64	9,7 %
			± 1	titre 128	3,2 %
Total per sample: n = 31		Success (only evaluated results): not assessed			
(753) Antibody titre, Sample 1: 2nd antibody					
	E1 and S1	All results	± 10	titre 8	29 %
			± 16	titre 16	47 %
			± 6	titre 32	18 %
			± 2	titre 64	5,9 %
Total per sample: n = 34		Success (only evaluated results): not assessed			
(754) Antibody titre, Sample 1: 3rd antibody					
	E1 and S1	All results	± 3	titre 16	75 %
			± 1	titre 32	25 %
Total per sample: n = 4		Success (only evaluated results): not assessed			
(756) Antibody titre, Sample 2: 1st antibody					
	E2 and S2	All results	± 2	titre 256	5,9 %
			± 3	titre 32	8,8 %
			± 16	titre 64	47 %
			± 13	titre 128	38 %
Total per sample: n = 34		Success (only evaluated results): not assessed			
Set 3					
(760) Crossmatch					
S1	All results	>>> 130	Crossmatch successful	100 %	
Total per sample: n = 130		Success: 100 %			
S2	All results	>>> 130	Crossmatch successful	100 %	
Total per sample: n = 130		Success: 100 %			
Total success: 100 %					
(761) Crossmatch (segment K1)					
S1	All results	>>> 130	Positive test	100 %	
Total per sample: n = 130		Success: 100 %			
S2	All results	>>> 130	Negative test	100 %	
Total per sample: n = 130		Success: 100 %			
Total success: 100 %					
(762) Serve transfusion product (segment K1)					
S1	All results	± 129	Impossible, risk of haemolysis	99 %	
		± 1	Decision depends on results of other tests not performed in our laboratory	0,77 %	
Total per sample: n = 130		Success (only evaluated results): not assessed			
S2	All results	± 4	Impossible, risk of haemolysis	3,1 %	
		± 73	Decision depends on results of other tests not performed in our laboratory	56 %	
		± 32	Only if more suitable products are not available	25 %	
		± 21	Possible	16 %	
Total per sample: n = 130		Success (only evaluated results): not assessed			
(764) Crossmatch (segment K2)					
S1	All results	>>> 130	Negative test	100 %	
Total per sample: n = 130		Success: 100 %			
S2	All results	>>> 130	Positive test	100 %	
Total per sample: n = 130		Success: 100 %			
Total success: 100 %					
(765) Serve transfusion product (segment K2)					
S1	All results	± 2	Impossible, risk of haemolysis	1,5 %	
		± 75	Decision depends on results of other tests not performed in our laboratory	58 %	
		± 33	Only if more suitable products are not available	25 %	
		± 20	Possible	15 %	
Total per sample: n = 130		Success (only evaluated results): not assessed			
S2	All results	± 128	Impossible, risk of haemolysis	98 %	
		± 2	Decision depends on results of other tests not performed in our laboratory	1,5 %	
Total per sample: n = 130		Success (only evaluated results): not assessed			