

EQA round: IH2/21 - 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	1	Blood group: 0	0,71 %
		>>> 139	Blood group: A	99 %
	Total per sample: n = 140	Success: 99 %		
E2 and S2	All results	>>> 140	Blood group: B	100 %
	Total per sample: n = 140	Success: 100 %		
Total success: 99 %				
(703) A subgroup				
E1 and S1	All results	>>> 44	A subgroup A1	100 %
	Total per sample: n = 44	Success: 100 %		
E2 and S2	All results	>>> 44	Not specified	100 %
	Total per sample: n = 44	Success: 100 %		
Total success: 100 %				
(705) Rh D antigen (blood-donor)				
E1 and S1	All results	4	Negative (RhD-)	5,3 %
		> 13	Positive (RhD+)	17 %
		>>> 59	w/v (RhD weak/variant)	78 %
	Total per sample: n = 76	Success: 95 %		
E2 and S2	All results	>>> 75	Positive (RhD+)	99 %
		1	w/v (RhD weak/variant)	1,3 %
	Total per sample: n = 76	Success: 99 %		
Total success: 93 %				
(709) Rh D antigen (recipient)				
E1 and S1	All results	1	Not specified	0,74 %
		> 60	Negative (RhD-)	44 %
		5	Positive (RhD+)	3,7 %
		>>> 69	w/v (RhD weak/variant)	51 %
	Total per sample: n = 135	Success: 96 %		
E2 and S2	All results	>>> 135	Positive (RhD+)	100 %
	Total per sample: n = 135	Success: 100 %		
Total success: 96 %				
(715) Antigen C				
E1 and S1	All results	>>> 64	Positive	100 %
	Total per sample: n = 64	Success: 100 %		
E2 and S2	All results	>>> 64	Negative	100 %
	Total per sample: n = 64	Success: 100 %		
Total success: 100 %				
(716) Antigen c				
E1 and S1	All results	1	Negative	1,6 %
		>>> 63	Positive	98 %
	Total per sample: n = 64	Success: 98 %		
E2 and S2	All results	>>> 64	Positive	100 %
	Total per sample: n = 64	Success: 100 %		
Total success: 98 %				
(717) Antigen Cw				
E1 and S1	All results	>>> 55	Negative	100 %
	Total per sample: n = 55	Success: 100 %		
E2 and S2	All results	>>> 55	Negative	100 %
	Total per sample: n = 55	Success: 100 %		
Total success: 100 %				
(718) Antigen E				
E1 and S1	All results	>>> 64	Negative	100 %
	Total per sample: n = 64	Success: 100 %		
E2 and S2	All results	>>> 64	Positive	100 %
	Total per sample: n = 64	Success: 100 %		
Total success: 100 %				
(719) Antigen e				
E1 and S1	All results	>>> 64	Positive	100 %
	Total per sample: n = 64	Success: 100 %		
E2 and S2	All results	>>> 64	Negative	100 %
	Total per sample: n = 64	Success: 100 %		

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Test	Sample	Group	N	Result	N _{rel}
Total success: 100 %					
(720) Antigen K					
E1 and S1 All results			1	Negative	1,5 %
			>>> 66	Positive	99 %
	Total per sample: n = 67		Success: 99 %		
E2 and S2 All results			>>> 67	Negative	100 %
	Total per sample: n = 67		Success: 100 %		
Total success: 99 %					
(721) Antigen k					
E1 and S1 All results			>>> 42	Positive	100 %
	Total per sample: n = 42		Success: 100 %		
E2 and S2 All results			4	Not specified	9,5 %
			>>> 38	Positive	90 %
	Total per sample: n = 42		Success: 90 %		
Total success: 90 %					
(722) Antigen M					
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 %					
(723) Antigen N					
E1 and S1 All results			>>> 30	Negative	97 %
			1	Positive	3,2 %
	Total per sample: n = 31		Success: 97 %		
E2 and S2 All results			>>> 31	Positive	100 %
	Total per sample: n = 31		Success: 100 %		
Total success: 97 %					
(724) Antigen S					
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 %					
(725) Antigen s					
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 %					
(726) Antigen P1					
E1 and S1 All results			>>> 26	Positive	100 %
	Total per sample: n = 26		Success: 100 %		
E2 and S2 All results			>>> 26	Negative	100 %
	Total per sample: n = 26		Success: 100 %		
Total success: 100 %					
(727) Antigen Fya					
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 %					
(728) Antigen Fyb					
E1 and S1 All results			>>> 36	Positive	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 %					
(729) Antigen Jka					
E1 and S1 All results			>>> 37	Positive	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 %					
(730) Antigen Jkb					
E1 and S1 All results			>>> 37	Positive	100 %

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Test	Sample	Group	N	Result	N _{rel}
	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 %					
(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			>>> 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			>>> 30	Negative	97 %
			1	Positive	3,2 %
	Total per sample: n = 31		Success: 97 %		
E2 and S2 All results			>>> 31	Negative	100 %
	Total per sample: n = 31		Success: 100 %		
Total success: 97 %					
(734) Antigen Leb					
E1 and S1 All results			3	Negative	9,7 %
			>>> 28	Positive	90 %
	Total per sample: n = 31		Success: 90 %		
E2 and S2 All results			>>> 31	Negative	100 %
	Total per sample: n = 31		Success: 100 %		
Total success: 90 %					
(737) Direct Coombs (antiglobulin) test					
E1 and S1 All results			>>> 117	Negative	100 %
	Total per sample: n = 117		Success: 100 %		
E2 and S2 All results			>>> 117	Negative	100 %
	Total per sample: n = 117		Success: 100 %		
Total success: 100 %					
(741) Antibody screening (IAT, blood donor)					
E1 and S1 All results			>>> 70	Positive	100 %
	Total per sample: n = 70		Success: 100 %		
E2 and S2 All results			>>> 70	Positive	100 %
	Total per sample: n = 70		Success: 100 %		
Total success: 100 %					
(743) Antibody screening (IAT, recipient)					
E1 and S1 All results			>>> 127	Positive	100 %
	Total per sample: n = 127		Success: 100 %		
E2 and S2 All results			>>> 127	Positive	100 %
	Total per sample: n = 127		Success: 100 %		
Total success: 100 %					
(745) Antibody screening (IAT, pregnant)					
E1 and S1 All results			>>> 104	Positive	100 %
	Total per sample: n = 104		Success: 100 %		
E2 and S2 All results			>>> 104	Positive	100 %
	Total per sample: n = 104		Success: 100 %		
Total success: 100 %					
(747) Antibody screening (enzyme test)					
E1 and S1 All results			1	Not specified	1,0 %
			>>> 95	Positive	99 %
	Total per sample: n = 96		Success: 99 %		
E2 and S2 All results			>>> 96	Positive	100 %
	Total per sample: n = 96		Success: 100 %		
Total success: 99 %					
(750) Antibody identification					
E1 and S1 All results			>>> 43	anti-E	100 %
	Total per sample: n = 43		Success: 100 %		
E2 and S2 All results			>	anti-e	37 %
			>>> 27	anti-e; anti-C	63 %

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Total per sample: n = 43 Success: 100 %					
Total success: 100 %					

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

E1 and S1 All results	± 1	titre 4	3,2 %
	± 10	titre 8	32 %
	± 12	titre 16	39 %
	± 7	titre 32	23 %
	± 1	titre 64	3,2 %
Total per sample: n = 31 Success (only evaluated results): evaluation			

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

E2 and S2 All results	± 6	titre 1	21 %
	± 4	titre 2	14 %
	± 7	titre 4	24 %
	± 6	titre 8	21 %
	± 3	titre 16	10 %
	± 1	titre 32	3,4 %
	± 2	titre 64	6,9 %
Total per sample: n = 29 Success (only evaluated results): evaluation			

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

E2 and S2 All results	± 1	titre 0 (not measurable)	6,3 %
	± 1	titre 2	6,3 %
	± 1	titre 8	6,3 %
	± 4	titre 16	25 %
	± 9	titre 32	56 %
Total per sample: n = 16 Success (only evaluated results): evaluation			

Set 3**(760) Crossmatch**

S1 All results	>>> 115	Crossmatch successful	100 %
Total per sample: n = 115 Success: 100 %			
S2 All results	1	Crossmatch not successful	0,87 %
	>>> 114	Crossmatch successful	99 %
Total per sample: n = 115 Success: 99 %			
Total success: 99 %			

(761) Crossmatch (segment K1)

S1 All results	>>> 115	Positive test	100 %
Total per sample: n = 115 Success: 100 %			
S2 All results	> 39	Negative test	34 %
	>>> 76	Positive test	66 %
Total per sample: n = 115 Success: 100 %			
Total success: 100 %			

(762) Serve transfusion product (segment K1)

S1 All results	± 112	Impossible, risk of haemolysis	98 %
	± 1	Decision depends on results of other tests not performed in our laboratory	0,88 %
	± 1	Only if more suitable products are not available	0,88 %
Total per sample: n = 114 Success (only evaluated results): evaluation			
S2 All results	± 79	Impossible, risk of haemolysis	69 %
	± 27	Decision depends on results of other tests not performed in our laboratory	24 %
	± 4	Only if more suitable products are not available	3,5 %
	± 4	Possible	3,5 %
Total per sample: n = 114 Success (only evaluated results): evaluation			

(764) Crossmatch (segment K2)

S1 All results	>>> 102	Negative test	89 %
	>>> 13	Positive test	11 %
Total per sample: n = 115 Success: 100 %			
S2 All results	1	Negative test	0,87 %
	>>> 114	Positive test	99 %
Total per sample: n = 115 Success: 99 %			
Total success: 99 %			

(765) Serve transfusion product (segment K2)

S1 All results	± 22	Impossible, risk of haemolysis	19 %
	± 62	Decision depends on results of other tests not performed in our laboratory	54 %
	± 17	Only if more suitable products are not available	15 %
	± 13	Possible	11 %
Total per sample: n = 114 Success (only evaluated results): evaluation			
S2 All results	± 111	Impossible, risk of haemolysis	97 %

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Test					
Sample	Group	N	Result		N _{rel}
S2	All results	± 2	Decision depends on results of other tests not performed in our laboratory		1,8 %
		± 1	Only if more suitable products are not available		0,88 %
Total per sample: n = 114		Success (only evaluated results): evaluation			

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End of report

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