

EQA round: IH3/21 - 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	>>> 175	Blood group: A	100 %
	Total per sample: n = 175	Success: 100 %		
E2 and S2	All results	>>> 175	Blood group: AB	100 %
	Total per sample: n = 175	Success: 100 %		
Total success: 100 %				
(703) A subgroup				
E1 and S1	All results	>>> 49	A subgroup A1	100 %
	Total per sample: n = 49	Success: 100 %		
E2 and S2	All results	2	Not specified	4,1 %
	Total per sample: n = 49	>>> 47	A subgroup A1	96 %
		Success: 96 %		
Total success: 96 %				
(705) Rh D antigen (blood-donor)				
E1 and S1	All results	>>> 105	Negative (RhD-)	100 %
	Total per sample: n = 105	Success: 100 %		
E2 and S2	All results	>>> 105	Negative (RhD-)	100 %
	Total per sample: n = 105	Success: 100 %		
Total success: 100 %				
(709) Rh D antigen (recipient)				
E1 and S1	All results	>>> 164	Negative (RhD-)	100 %
	Total per sample: n = 164	Success: 100 %		
E2 and S2	All results	>>> 164	Negative (RhD-)	100 %
	Total per sample: n = 164	Success: 100 %		
Total success: 100 %				
(715) Antigen C				
E1 and S1	All results	>>> 92	Negative	100 %
	Total per sample: n = 92	Success: 100 %		
E2 and S2	All results	>>> 92	Negative	100 %
	Total per sample: n = 92	Success: 100 %		
Total success: 100 %				
(716) Antigen c				
E1 and S1	All results	>>> 92	Positive	100 %
	Total per sample: n = 92	Success: 100 %		
E2 and S2	All results	>>> 92	Positive	100 %
	Total per sample: n = 92	Success: 100 %		
Total success: 100 %				
(717) Antigen Cw				
E1 and S1	All results	>>> 73	Negative	100 %
	Total per sample: n = 73	Success: 100 %		
E2 and S2	All results	>>> 73	Negative	100 %
	Total per sample: n = 73	Success: 100 %		
Total success: 100 %				
(718) Antigen E				
E1 and S1	All results	>>> 92	Negative	100 %
	Total per sample: n = 92	Success: 100 %		
E2 and S2	All results	>>> 91	Negative	99 %
	Total per sample: n = 92	>>> 92	1 Positive	1,1 %
		Success: 99 %		
Total success: 99 %				
(719) Antigen e				
E1 and S1	All results	>>> 92	Positive	100 %
	Total per sample: n = 92	Success: 100 %		
E2 and S2	All results	>>> 92	Positive	100 %
	Total per sample: n = 92	Success: 100 %		
Total success: 100 %				
(720) Antigen K				
E1 and S1	All results	>>> 97	Negative	99 %
	Total per sample: n = 98	>>> 98	1 Positive	1,0 %
		Success: 99 %		
E2 and S2	All results	>>> 98	Negative	100 %

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Test	Sample	Group	N	Result	N _{rel}
Total per sample: n = 98 ----- Success: 100 % -----					
Total success: 99 %					
(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			>>> 46	Positive	100 %
Total per sample: n = 46 ----- Success: 100 % -----					
E2 and S2 All results			>>> 46	Positive	100 %
Total per sample: n = 46 ----- Success: 100 % -----					
Total success: 100 %					
(723) Antigen N					
E1 and S1 All results			1 Negative		2,3 %
			>>> 43	Positive	98 %
Total per sample: n = 44 ----- Success: 98 % -----					
E2 and S2 All results			>>> 44	Positive	100 %
Total per sample: n = 44 ----- Success: 100 % -----					
Total success: 98 %					
(724) Antigen S					
E1 and S1 All results			>>> 47	Negative	100 %
Total per sample: n = 47 ----- Success: 100 % -----					
E2 and S2 All results			>>> 47	Negative	100 %
Total per sample: n = 47 ----- Success: 100 % -----					
Total success: 100 %					
(725) Antigen s					
E1 and S1 All results			>>> 46	Positive	100 %
Total per sample: n = 46 ----- Success: 100 % -----					
E2 and S2 All results			>>> 46	Positive	100 %
Total per sample: n = 46 ----- Success: 100 % -----					
Total success: 100 %					
(726) Antigen P1					
E1 and S1 All results			>>> 32	Positive	100 %
Total per sample: n = 32 ----- Success: 100 % -----					
E2 and S2 All results			>>> 32	Negative	100 %
Total per sample: n = 32 ----- Success: 100 % -----					
Total success: 100 %					
(727) Antigen Fya					
E1 and S1 All results			1 Negative		2,1 %
			>>> 47	Positive	98 %
Total per sample: n = 48 ----- Success: 98 % -----					
E2 and S2 All results			>>> 48	Positive	100 %
Total per sample: n = 48 ----- Success: 100 % -----					
Total success: 98 %					
(728) Antigen Fyb					
E1 and S1 All results			>>> 48	Positive	100 %
Total per sample: n = 48 ----- Success: 100 % -----					
E2 and S2 All results			>>> 47	Negative	98 %
			1 Positive		2,1 %
Total per sample: n = 48 ----- Success: 98 % -----					
Total success: 98 %					
(729) Antigen Jka					
E1 and S1 All results			>>> 49	Positive	100 %
Total per sample: n = 49 ----- Success: 100 % -----					
E2 and S2 All results			>>> 49	Negative	100 %
Total per sample: n = 49 ----- Success: 100 % -----					
Total success: 100 %					
(730) Antigen Jkb					
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 %					

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Test	Sample	Group	N	Result	N _{rel}
(731) Antigen Lua					
E1 and S1 All results			>>> 33	Negative	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 %					
(732) Antigen Lub					
E1 and S1 All results			>>> 32	Positive	100 %
—————	Total per sample: n = 32	—————	Success: 100 %	—————	—————
E2 and S2 All results			>>> 32	Positive	100 %
—————	Total per sample: n = 32	—————	Success: 100 %	—————	—————
Total success: 100 %					
(733) Antigen Lea					
E1 and S1 All results			>>> 34	Negative	97 %
—————	Total per sample: n = 35	—————	Success: 97 %	1 Positive	2,9 %
E2 and S2 All results			>>> 35	Negative	100 %
—————	Total per sample: n = 35	—————	Success: 100 %	—————	—————
Total success: 97 %					
(734) Antigen Leb					
E1 and S1 All results			3	Negative	8,6 %
—————	Total per sample: n = 35	—————	Success: 91 %	>>> 32 Positive	91 %
E2 and S2 All results			>>> 35	Positive	100 %
—————	Total per sample: n = 35	—————	Success: 100 %	—————	—————
Total success: 91 %					
(737) Direct Coombs (antiglobulin) test					
E1 and S1 All results			>>> 134	Negative	100 %
—————	Total per sample: n = 134	—————	Success: 100 %	—————	—————
E2 and S2 All results			>>> 134	Negative	100 %
—————	Total per sample: n = 134	—————	Success: 100 %	—————	—————
Total success: 100 %					
(741) Antibody screening (IAT, blood donor)					
E1 and S1 All results			>>> 92	Positive	100 %
—————	Total per sample: n = 92	—————	Success: 100 %	—————	—————
E2 and S2 All results			7	Negative	7,6 %
—————	Total per sample: n = 92	—————	Success: 92 %	>>> 85 Positive	92 %
Total success: 92 %					
(743) Antibody screening (IAT, recipient)					
E1 and S1 All results			>>> 149	Positive	100 %
—————	Total per sample: n = 149	—————	Success: 100 %	—————	—————
E2 and S2 All results			1	Negative	0,67 %
—————	Total per sample: n = 149	—————	Success: 99 %	>>> 148 Positive	99 %
Total success: 99 %					
(745) Antibody screening (IAT, pregnant)					
E1 and S1 All results			>>> 126	Positive	100 %
—————	Total per sample: n = 126	—————	Success: 100 %	—————	—————
E2 and S2 All results			1	Negative	0,79 %
—————	Total per sample: n = 126	—————	Success: 99 %	>>> 125 Positive	99 %
Total success: 99 %					
(747) Antibody screening (enzyme test)					
E1 and S1 All results			1	Negative	0,99 %
—————	Total per sample: n = 101	—————	Success: 99 %	>>> 100 Positive	99 %
E2 and S2 All results			>>> 91	Negative	90 %
—————	Total per sample: n = 101	—————	Success: 90 %	10 Positive	9,9 %
Total success: 90 %					
(750) Antibody identification					
E1 and S1 All results			2	anti-D	4,1 %
—————	Total per sample: n = 49	—————	Success: 94 %	>>> 45 anti-D; anti-Jkb	92 %
			>	1 anti-D; anti-Jkb; anti-Kpa	2,0 %
			1	anti-H	2,0 %

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Test	Sample	Group	N	Result	N _{rel}
E2 and S2 All results			>>> 49	anti-S	100 %
Total per sample: n = 49 Success: 100 %					
Total success: 94 %					

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

E1 and S1 All results			± 5	titre 256	12 %
			± 2	titre 512	4,9 %
			± 4	titre 32	9,8 %
			± 13	titre 64	32 %
			± 17	titre 128	41 %
Total per sample: n = 41 Success (only evaluated results): evaluation					

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

E1 and S1 All results			± 10	titre 0 (not measurable)	48 %
			± 5	titre 1	24 %
			± 4	titre 2	19 %
			± 2	titre 4	9,5 %
Total per sample: n = 21 Success (only evaluated results): evaluation					

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

E2 and S2 All results			± 1	titre 0 (not measurable)	2,4 %
			± 8	titre 1	19 %
			± 20	titre 2	48 %
			± 7	titre 4	17 %
			± 3	titre 8	7,1 %
			± 2	titre 16	4,8 %
			± 1	titre 128	2,4 %
Total per sample: n = 42 Success (only evaluated results): evaluation					

Set 3**(760) Crossmatch**

S1 All results			>>> 123	Crossmatch successful	100 %
Total per sample: n = 123 Success: 100 %					
S2 All results			>>> 123	Crossmatch successful	100 %
Total per sample: n = 123 Success: 100 %					
Total success: 100 %					

(761) Crossmatch (segment K1)

S1 All results			>>> 117	Negative test	95 %
			> 6	Positive test	4,9 %
Total per sample: n = 123 Success: 100 %					
S2 All results			>>> 123	Negative test	100 %
Total per sample: n = 123 Success: 100 %					
Total success: 100 %					

(762) Serve transfusion product (segment K1)

S1 All results			± 45	Impossible, risk of haemolysis	37 %
			± 58	Decision depends on results of other tests not performed in our laboratory	47 %
			± 10	Only if more suitable products are not available	8,1 %
			± 10	Possible	8,1 %
Total per sample: n = 123 Success (only evaluated results): evaluation					
S2 All results			± 3	Impossible, risk of haemolysis	2,4 %
			± 62	Decision depends on results of other tests not performed in our laboratory	50 %
			± 27	Only if more suitable products are not available	22 %
			± 31	Possible	25 %
Total per sample: n = 123 Success (only evaluated results): evaluation					

(764) Crossmatch (segment K2)

S1 All results			>>> 119	Negative test	97 %
			> 4	Positive test	3,3 %
Total per sample: n = 123 Success: 100 %					
S2 All results			>>> 123	Negative test	100 %
Total per sample: n = 123 Success: 100 %					
Total success: 100 %					

(765) Serve transfusion product (segment K2)

S1 All results			± 43	Impossible, risk of haemolysis	35 %
			± 58	Decision depends on results of other tests not performed in our laboratory	48 %
			± 8	Only if more suitable products are not available	6,6 %
			± 13	Possible	11 %
Total per sample: n = 122 Success (only evaluated results): evaluation					

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Test					
Sample	Group	N	Result		N _{rel}
S2	All results	± 3	Impossible, risk of haemolysis		2,5 %
		± 61	Decision depends on results of other tests not performed in our laboratory		50 %
		± 26	Only if more suitable products are not available		21 %
		± 32	Possible		26 %
----- Total per sample: n = 122 -----		----- Success (only evaluated results): evaluation-----			
st_kl		End of report			Printed: 02.10.2021