

EQA round: IH3/18 - 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		1	Not specified	0,54 %
		1	Blood group: 0	0,54 %
		>>> 182	Blood group: B	99 %
_____ Total per sample: n = 184	_____ Success: 99 %			
E2 and S2All results		>>> 183	Blood group: 0	99 %
		1	Blood group: B	0,54 %
_____ Total per sample: n = 184	_____ Success: 99 %			
Total success: 99 %				
(705) Rh D antigen (blood-donor)				
E1 and S1All results		>>> 116	Negative (RhD-)	100 %
_____ Total per sample: n = 116	_____ Success: 100 %			
E2 and S2All results		>>> 115	Positive (RhD+)	99 %
		1	w/v (RhD weak/variant)	0,86 %
_____ Total per sample: n = 116	_____ Success: 99 %			
Total success: 99 %				
(709) Rh D antigen (recipient)				
E1 and S1All results		>>> 175	Negative (RhD-)	99 %
		1	Positive (RhD+)	0,57 %
_____ Total per sample: n = 176	_____ Success: 99 %			
E2 and S2All results		1	Negative (RhD-)	0,57 %
		>>> 175	Positive (RhD+)	99 %
_____ Total per sample: n = 176	_____ Success: 99 %			
Total success: 99 %				
(715) Antigen C				
E1 and S1All results		>>> 87	Negative	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
E2 and S2All results		>>> 87	Positive	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
Total success: 100 %				
(716) Antigen c				
E1 and S1All results		>>> 87	Positive	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
E2 and S2All results		>>> 87	Positive	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
Total success: 100 %				
(717) Antigen Cw				
E1 and S1All results		>>> 66	Negative	100 %
_____ Total per sample: n = 66	_____ Success: 100 %			
E2 and S2All results		>>> 66	Negative	100 %
_____ Total per sample: n = 66	_____ Success: 100 %			
Total success: 100 %				
(718) Antigen E				
E1 and S1All results		>>> 87	Negative	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
E2 and S2All results		>>> 87	Negative	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
Total success: 100 %				
(719) Antigen e				
E1 and S1All results		>>> 87	Positive	100 %
_____ Total per sample: n = 87	_____ Success: 100 %			
E2 and S2All results		1	Negative	1,1 %
		>>> 86	Positive	99 %
_____ Total per sample: n = 87	_____ Success: 99 %			
Total success: 99 %				
(720) Antigen K				
E1 and S1All results		>>> 91	Negative	100 %
_____ Total per sample: n = 91	_____ Success: 100 %			
E2 and S2All results		>>> 91	Negative	100 %
_____ Total per sample: n = 91	_____ Success: 100 %			
Total success: 100 %				

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Sample	Group	N	Result	N _{rel}
(721) Antigen k				
E1 and S1	All results	>>> 49	Positive	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 %				
(722) Antigen M				
E1 and S1	All results	>>> 49	Negative	100 %
-----	Total per sample: n = 49	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.0 %
-----	Total per sample: n = 49	-----	48 Negative	98 %
Total success: 98 %				
(723) Antigen N				
E1 and S1	All results	>>> 46	Positive	100 %
-----	Total per sample: n = 46	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.2 %
-----	Total per sample: n = 46	-----	>>> 45 Positive	98 %
Total success: 98 %				
(724) Antigen S				
E1 and S1	All results	>>> 48	Negative	100 %
-----	Total per sample: n = 48	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.1 %
-----	Total per sample: n = 48	-----	>>> 47 Negative	98 %
Total success: 98 %				
(725) Antigen s				
E1 and S1	All results	>>> 46	Positive	100 %
-----	Total per sample: n = 46	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.2 %
-----	Total per sample: n = 46	-----	>>> 45 Positive	98 %
Total success: 98 %				
(726) Antigen P1				
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 %				
(727) Antigen Fya				
E1 and S1	All results		1 Not specified	2.0 %
-----	Total per sample: n = 51	-----	>>> 50 Positive	98 %
E2 and S2	All results	>>> 51	Negative	100 %
-----	Total per sample: n = 51	-----	Success: 100 %	-----
Total success: 98 %				
(728) Antigen Fyb				
E1 and S1	All results		1 Not specified	2.0 %
-----	Total per sample: n = 49	-----	>>> 48 Negative	98 %
E2 and S2	All results	>>> 49	Positive	100 %
-----	Total per sample: n = 49	-----	Success: 100 %	-----
Total success: 98 %				
(729) Antigen Jka				
E1 and S1	All results	>>> 48	Negative	100 %
-----	Total per sample: n = 48	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.1 %
-----	Total per sample: n = 48	-----	>>> 47 Positive	98 %
Total success: 98 %				
(730) Antigen Jkb				
E1 and S1	All results	>>> 46	Positive	100 %
-----	Total per sample: n = 46	-----	Success: 100 %	-----
E2 and S2	All results		1 Not specified	2.2 %
-----	Total per sample: n = 46	-----	>>> 45 Negative	98 %
Total success: 98 %				

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Sample	Group	N	Result	N _{rel}
Total success: 98 %				
(731) Antigen Lua				
E1 and S1 All results		>>> 35	Negative	100 %
----- Total per sample: n = 35	-----	Success: 100 %	-----	-----
E2 and S2 All results		>>> 34	Negative	97 %
			1 Positive	2,9 %
----- Total per sample: n = 35	-----	Success: 97 %	-----	-----
Total success: 97 %				
(732) Antigen Lub				
E1 and S1 All results			1 Negative	3,0 %
		>>> 32	Positive	97 %
----- Total per sample: n = 33	-----	Success: 97 %	-----	-----
E2 and S2 All results		>>> 33	Positive	100 %
----- Total per sample: n = 33	-----	Success: 100 %	-----	-----
Total success: 97 %				
(733) Antigen Lea				
E1 and S1 All results		>>> 39	Negative	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 %				
(734) Antigen Leb				
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 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results		>>> 140	Negative	100 %
----- Total per sample: n = 140	-----	Success: 100 %	-----	-----
E2 and S2 All results			1 Not specified	0,71 %
		>>> 139	Negative	99 %
----- Total per sample: n = 140	-----	Success: 99 %	-----	-----
Total success: 99 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results			4 Negative	4,2 %
		>>> 92	Positive	96 %
----- Total per sample: n = 96	-----	Success: 96 %	-----	-----
E2 and S2 All results		>>> 96	Positive	100 %
----- Total per sample: n = 96	-----	Success: 100 %	-----	-----
Total success: 96 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results		>>> 157	Positive	100 %
----- Total per sample: n = 157	-----	Success: 100 %	-----	-----
E2 and S2 All results		>>> 157	Positive	100 %
----- Total per sample: n = 157	-----	Success: 100 %	-----	-----
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 All results		>>> 130	Positive	100 %
----- Total per sample: n = 130	-----	Success: 100 %	-----	-----
E2 and S2 All results		>>> 130	Positive	100 %
----- Total per sample: n = 130	-----	Success: 100 %	-----	-----
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results			2 Negative	1,9 %
		>>> 106	Positive	98 %
----- Total per sample: n = 108	-----	Success: 98 %	-----	-----
E2 and S2 All results		>>> 106	Negative	98 %
			2 Positive	1,9 %
----- Total per sample: n = 108	-----	Success: 98 %	-----	-----
Total success: 96 %				
(750) Antibody identification				
E1 and S1 All results		>	3 anti-Jka	5,8 %
		>>>	47 anti-Jka; anti-M	90 %
		>	1 anti-Jka; anti-M; anti-S	1,9 %
			1 anti-M	1,9 %
----- Total per sample: n = 52	-----	Success: 98 %	-----	-----

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Test

Sample	Group	N	Result	N _{rel}
E2 and S2	All results	>>> 52	anti-Fya	100 %
Total per sample: n = 52		Success: 100 %		
Total success: 98 %				

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

E1 and S1	All results	± 2	titre 1	5,0 %
		± 9	titre 2	23 %
		± 7	titre 4	18 %
		± 8	titre 8	20 %
		± 8	titre 16	20 %
		± 6	titre 32	15 %
Total per sample: n = 40		Success (only evaluated results): evaluation		

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

E1 and S1	All results	± 5	titre 0 (not measurable)	12 %
		± 6	titre 1	14 %
		± 7	titre 2	17 %
		± 13	titre 4	31 %
		± 5	titre 8	12 %
		± 5	titre 16	12 %
		± 1	titre 32	2,4 %
Total per sample: n = 42		Success (only evaluated results): evaluation		

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

E2 and S2	All results	± 21	titre 256	47 %
		± 9	titre 512	20 %
		± 1	titre 1000	2,2 %
		± 1	titre 1	2,2 %
		± 2	titre 64	4,4 %
		± 11	titre 128	24 %
Total per sample: n = 45		Success (only evaluated results): evaluation		

Set of samples 3

(760) Crossmatch

S1	All results	>>> 125	Crossmatch successful	100 %
Total per sample: n = 125		Success: 100 %		
S2	All results	>>> 125	Crossmatch successful	100 %
Total per sample: n = 125		Success: 100 %		
Total success: 100 %				

(761) Crossmatch (segment K1)

S1	All results	> 23	Negative test	18 %
		>>> 102	Positive test	82 %
Total per sample: n = 125		Success: 100 %		
S2	All results	>>> 125	Positive test	100 %
Total per sample: n = 125		Success: 100 %		
Total success: 100 %				

(762) Serve transfusion product (segment K1)

S1	All results	± 106	Impossible, risk of haemolysis	85 %
		± 14	Decision depends on results of other tests not performed in our laboratory	11 %
		± 4	Only if more suitable products are not available	3,2 %
		± 1	Possible	0,80 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	All results	± 123	Impossible, risk of haemolysis	98 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,6 %
Total per sample: n = 125		Success (only evaluated results): evaluation		

(764) Crossmatch (segment K2)

S1	All results	> 34	Negative test	27 %
		>>> 91	Positive test	73 %
Total per sample: n = 125		Success: 100 %		
S2	All results	>>> 125	Negative test	100 %
Total per sample: n = 125		Success: 100 %		
Total success: 100 %				

(765) Serve transfusion product (segment K2)

S1	All results	± 96	Impossible, risk of haemolysis	77 %
		± 24	Decision depends on results of other tests not performed in our laboratory	19 %
		± 5	Only if more suitable products are not available	4,0 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	All results	± 64	Decision depends on results of other tests not	51 %

Test

Sample	Group	N	Result	N _{rel}
S2			performed in our laboratory	
		± 4	Only if more suitable products are not available	3,2 %
		± 57	Possible	46 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
st_kl		End of report		Printed: 01.10.2018