

EQA round: IH4/21 - 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 1 and 2

(700) AB0 blood group

E1 and S1 All results	>>>	160	Blood group: A	100 %
_____ Total per sample: n = 160	-----	Success: 100 %		
E2 and S2 All results	>>>	160	Blood group: 0	100 %
_____ Total per sample: n = 160	-----	Success: 100 %		
Total success: 100 %				

(703) A subgroup

E1 and S1 All results	>>>	54	A subgroup A1	100 %
_____ Total per sample: n = 54	-----	Success: 100 %		
E2 and S2 All results	>>>	54	Not specified	100 %
_____ Total per sample: n = 54	-----	Success: 100 %		
Total success: 100 %				

(705) Rh D antigen (blood-donor)

E1 and S1 All results	>>>	93	Negative (RhD-)	100 %
_____ Total per sample: n = 93	-----	Success: 100 %		
E2 and S2 All results	>>>	93	Positive (RhD+)	100 %
_____ Total per sample: n = 93	-----	Success: 100 %		
Total success: 100 %				

(709) Rh D antigen (recipient)

E1 and S1 All results	>>>	148	Negative (RhD-)	100 %
_____ Total per sample: n = 148	-----	Success: 100 %		
E2 and S2 All results	>>>	148	Positive (RhD+)	100 %
_____ Total per sample: n = 148	-----	Success: 100 %		
Total success: 100 %				

(715) Antigen C

E1 and S1 All results	>>>	75	Negative	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
E2 and S2 All results	>>>	75	Positive	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
Total success: 100 %				

(716) Antigen c

E1 and S1 All results	>>>	75	Positive	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
E2 and S2 All results	>>>	75	Negative	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
Total success: 100 %				

(717) Antigen Cw

E1 and S1 All results	>>>	61	Negative	100 %
_____ Total per sample: n = 61	-----	Success: 100 %		
E2 and S2 All results	>>>	61	Negative	100 %
_____ Total per sample: n = 61	-----	Success: 100 %		
Total success: 100 %				

(718) Antigen E

E1 and S1 All results	>>>	75	Negative	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
E2 and S2 All results	>>>	75	Negative	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
Total success: 100 %				

(719) Antigen e

E1 and S1 All results	>>>	75	Positive	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
E2 and S2 All results	>>>	75	Positive	100 %
_____ Total per sample: n = 75	-----	Success: 100 %		
Total success: 100 %				

(720) Antigen K

E1 and S1 All results	>>>	78	Negative	100 %
_____ Total per sample: n = 78	-----	Success: 100 %		
E2 and S2 All results	>>>	78	Negative	100 %
_____ Total per sample: n = 78	-----	Success: 100 %		
Total success: 100 %				

EQA round: IH4/21 - Blood Group Serology

Test	Sample	Group	N	Result	N _{rel}
(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			>>> 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 %					
(723) Antigen N					
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 %					
(724) Antigen S					
E1 and S1 All results			>>> 38	Negative	97 %
_____ Total per sample: n = 39			1 Positive		2,6 %
			Success: 97 %		
E2 and S2 All results			>>> 39	Negative	100 %
_____ Total per sample: n = 39			Success: 100 %		
Total success: 97 %					
(725) Antigen s					
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 %					
(726) Antigen P1					
E1 and S1 All results			>>> 29	Positive	100 %
_____ Total per sample: n = 29			Success: 100 %		
E2 and S2 All results			>>> 29	Positive	100 %
_____ Total per sample: n = 29			Success: 100 %		
Total success: 100 %					
(727) Antigen Fya					
E1 and S1 All results			>>> 40	Negative	100 %
_____ Total per sample: n = 40			Success: 100 %		
E2 and S2 All results			1 Negative		2,5 %
			>>> 39	Positive	98 %
_____ Total per sample: n = 40			Success: 98 %		
Total success: 98 %					
(728) Antigen Fyb					
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 %					
(729) Antigen Jka					
E1 and S1 All results			>>> 40	Negative	98 %
_____ Total per sample: n = 41			1 Positive		2,4 %
			Success: 98 %		
E2 and S2 All results			>>> 41	Positive	100 %
_____ Total per sample: n = 41			Success: 100 %		
Total success: 98 %					
(730) Antigen Jkb					
E1 and S1 All results			>>> 41	Positive	100 %
_____ Total per sample: n = 41			Success: 100 %		
E2 and S2 All results			>>> 40	Negative	98 %
			1 Positive		2,4 %
_____ Total per sample: n = 41			Success: 98 %		
Total success: 98 %					
(731) Antigen Lua					
E1 and S1 All results			>>> 26	Negative	100 %

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
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 %				
(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		>>> 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 %				
(734) Antigen Leb				
E1 and S1 All results		1	Negative	3,0 %
Total per sample: n = 33		Success: 97 %		
E2 and S2 All results		>>> 32	Positive	97 %
Total per sample: n = 33		Success: 100 %		
Total success: 97 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 All results		>>> 130	Negative	100 %
Total per sample: n = 130		Success: 100 %		
E2 and S2 All results		>>> 130	Negative	100 %
Total per sample: n = 130		Success: 100 %		
Total success: 100 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 All results		>>> 82	Positive	100 %
Total per sample: n = 82		Success: 100 %		
E2 and S2 All results		> 47	Negative	57 %
Total per sample: n = 82		Success: 100 %		
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 All results		>>> 139	Positive	100 %
Total per sample: n = 139		Success: 100 %		
E2 and S2 All results		> 86	Negative	62 %
Total per sample: n = 139		Success: 100 %		
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 All results		>>> 116	Positive	100 %
Total per sample: n = 116		Success: 100 %		
E2 and S2 All results		> 67	Negative	58 %
Total per sample: n = 116		Success: 100 %		
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 All results		18	Negative	17 %
Total per sample: n = 103		Success: 83 %		
E2 and S2 All results		>>> 85	Positive	83 %
Total per sample: n = 103		Success: 98 %		
Total success: 82 %				
(750) Antibody identification				
E1 and S1 All results		3	anti-K	6,7 %
Total per sample: n = 45		Success: 93 %		
E2 and S2 All results		>>> 42	anti-K; anti-Kpa	93 %
Total per sample: n = 45		Success: 100 %		
Total success: 93 %				
E1 and S1 All results		> 1	Not specified	2,2 %
Total per sample: n = 45		Success: 100 %		
E2 and S2 All results		> 1	Antibody not present	2,2 %
Total per sample: n = 45		Success: 100 %		
Total success: 93 %				

EQA round: IH4/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
(752) Antibody titre, Sample 1: 1st antibody				
E1 and S1	All results	± 12	titre 16	39 %
		± 18	titre 32	58 %
		± 1	titre 128	3,2 %
Total per sample: n = 31		Success (only evaluated results): evaluation		
(753) Antibody titre, Sample 1: 2nd antibody				
E1 and S1	All results	± 2	titre 0 (not measurable)	7,4 %
		± 8	titre 1	30 %
		± 14	titre 2	52 %
		± 3	titre 4	11 %
Total per sample: n = 27		Success (only evaluated results): evaluation		
(756) Antibody titre, Sample 2: 1st antibody				
E2 and S2	All results	± 4	titre 0 (not measurable)	19 %
		± 10	titre 1	48 %
		± 3	titre 2	14 %
		± 3	titre 4	14 %
		± 1	titre 64	4,8 %
Total per sample: n = 21		Success (only evaluated results): evaluation		
Set 3				
(760) Crossmatch				
S1	All results	1	Crossmatch not successful	0,80 %
		>>> 124	Crossmatch successful	99 %
Total per sample: n = 125		Success: 99 %		
S2	All results	>>> 125	Crossmatch successful	100 %
Total per sample: n = 125		Success: 100 %		
Total success: 99 %				
(761) Crossmatch (segment K1)				
S1	All results	>>> 124	Negative test	99 %
		1	Positive test	0,80 %
Total per sample: n = 125		Success: 99 %		
S2	All results	> 97	Negative test	78 %
		>>> 28	Positive test	22 %
Total per sample: n = 125		Success: 100 %		
Total success: 99 %				
(762) Serve transfusion product (segment K1)				
S1	All results	± 3	Impossible, risk of haemolysis	2,4 %
		± 72	Decision depends on results of other tests not performed in our laboratory	58 %
		± 19	Only if more suitable products are not available	15 %
		± 31	Possible	25 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	All results	± 46	Impossible, risk of haemolysis	37 %
		± 45	Decision depends on results of other tests not performed in our laboratory	36 %
		± 8	Only if more suitable products are not available	6,4 %
		± 26	Possible	21 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
(764) Crossmatch (segment K2)				
S1	All results	1	Negative test	0,80 %
		>>> 124	Positive test	99 %
Total per sample: n = 125		Success: 99 %		
S2	All results	>>> 125	Negative test	100 %
Total per sample: n = 125		Success: 100 %		
Total success: 99 %				
(765) Serve transfusion product (segment K2)				
S1	All results	± 121	Impossible, risk of haemolysis	97 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,6 %
		± 1	Only if more suitable products are not available	0,80 %
		± 1	Possible	0,80 %
Total per sample: n = 125		Success (only evaluated results): evaluation		
S2	All results	± 3	Impossible, risk of haemolysis	2,4 %
		± 51	Decision depends on results of other tests not performed in our laboratory	41 %
		± 21	Only if more suitable products are not available	17 %
		± 50	Possible	40 %
Total per sample: n = 125		Success (only evaluated results): evaluation		