

EQA round: IH2/18 - 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}
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Set of samples 1 and 2

(700) AB0 blood group

E1 and S1 (0) not specified	>>>	2	Blood group: 0	1,6 %
(6) APR	>>>	2	Blood group: 0	1,6 %
(14) Bio-Rad	>>>	49	Blood group: 0	39 %
(40) Ortho Clinical Diagnostics	>>>	4	Blood group: 0	3,2 %
(52) Dynex	>>>	1	Blood group: 0	0,79 %
(64) Exbio Olomouc	>>>	9	Blood group: 0	7,1 %
(80) DiaMed	>>>	15	Blood group: 0	12 %
(159) Grifols	>>>	12	Blood group: 0	9,5 %
(172) Immucor	>>>	12	Blood group: 0	9,5 %
(173) Sanguin	>>>	8	Blood group: 0	6,3 %
(174) IVT Imuno	>>>	6	Blood group: 0	4,8 %
(203) ANTITOXIN	>>>	2	Blood group: 0	1,6 %
(999) another manufacturer	>>>	4	Blood group: 0	3,2 %
----- Total per sample: n = 126 ----- Success: 100 % -----				

E2 and S2 (0) not specified	>>>	2	Blood group: A	1,6 %
(6) APR	>>>	2	Blood group: A	1,6 %
(14) Bio-Rad	>>>	49	Blood group: A	39 %
(40) Ortho Clinical Diagnostics	>>>	4	Blood group: A	3,2 %
(52) Dynex	>>>	1	Blood group: A	0,79 %
(64) Exbio Olomouc	>>>	9	Blood group: A	7,1 %
(80) DiaMed	>>>	15	Blood group: A	12 %
(159) Grifols	>>>	12	Blood group: A	9,5 %
(172) Immucor	>>>	12	Blood group: A	9,5 %
(173) Sanguin	>>>	8	Blood group: A	6,3 %
(174) IVT Imuno	>>>	6	Blood group: A	4,8 %
(203) ANTITOXIN	>>>	2	Blood group: A	1,6 %
(999) another manufacturer	>>>	4	Blood group: A	3,2 %
----- Total per sample: n = 126 ----- Success: 100 % -----				

Total success: 100 %

(703) A subgroup

E1 and S1 (0) not specified	>>>	37	Not specified	100 %
----- Total per sample: n = 37 ----- Success: 100 % -----				

E2 and S2 (0) not specified	>>>	37	A subgroup A1	100 %
----- Total per sample: n = 37 ----- Success: 100 % -----				

Total success: 100 %

(705) Rh D antigen (blood-donor)

E1 and S1 (0) not specified	>>>	1	Positive (RhD+)	1,3 %
(6) APR	>>>	2	Positive (RhD+)	2,5 %
(14) Bio-Rad	>>>	27	Positive (RhD+)	34 %
(40) Ortho Clinical Diagnostics	>>>	1	Positive (RhD+)	1,3 %
(52) Dynex	>>>	1	Positive (RhD+)	1,3 %
(64) Exbio Olomouc	>>>	5	Positive (RhD+)	6,3 %
(80) DiaMed	>>>	9	Positive (RhD+)	11 %
(159) Grifols	>>>	6	Positive (RhD+)	7,6 %
(172) Immucor	>>>	17	Positive (RhD+)	22 %
		1	w/v (RhD weak/variant)	1,3 %
(173) Sanguin	>>>	2	Positive (RhD+)	2,5 %
(174) IVT Imuno	>>>	4	Positive (RhD+)	5,1 %
(203) ANTITOXIN	>>>	2	Positive (RhD+)	2,5 %
(999) another manufacturer	>>>	1	Positive (RhD+)	1,3 %
----- Total per sample: n = 79 ----- Success: 99 % -----				

E2 and S2 (0) not specified	>>>	1	Positive (RhD+)	1,3 %
(6) APR	>>>	2	Positive (RhD+)	2,5 %
(14) Bio-Rad	>>>	27	Positive (RhD+)	34 %
(40) Ortho Clinical Diagnostics	>>>	1	Positive (RhD+)	1,3 %
(52) Dynex	>>>	1	Positive (RhD+)	1,3 %
(64) Exbio Olomouc	>>>	5	Positive (RhD+)	6,3 %
(80) DiaMed	>>>	9	Positive (RhD+)	11 %
(159) Grifols	>>>	6	Positive (RhD+)	7,6 %
(172) Immucor	>>>	18	Positive (RhD+)	23 %
(173) Sanguin	>>>	2	Positive (RhD+)	2,5 %
(174) IVT Imuno	>>>	4	Positive (RhD+)	5,1 %
(203) ANTITOXIN	>>>	2	Positive (RhD+)	2,5 %

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Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (999) another manufacturer		>>> 1	Positive (RhD+)	1,3 %
Total per sample: n = 79		Success: 100 %		
Total success: 99 %				

(709) Rh D antigen (recipient)

E1 and S1 (0) not specified		>>> 1	Positive (RhD+)	0,82 %
(6) APR		>>> 3	Positive (RhD+)	2,5 %
(14) Bio-Rad		>>> 42	Positive (RhD+)	34 %
(40) Ortho Clinical Diagnostics		>>> 4	Positive (RhD+)	3,3 %
(50) Merck		>>> 1	Positive (RhD+)	0,82 %
(52) Dynex		>>> 3	Positive (RhD+)	2,5 %
(64) Exbio Olomouc		>>> 7	Positive (RhD+)	5,7 %
(80) DiaMed		>>> 12	Positive (RhD+)	9,8 %
(159) Grifols		>>> 14	Positive (RhD+)	11 %
(172) Immucor		>>> 1	Negative (RhD-)	0,82 %
		>>> 16	Positive (RhD+)	13 %
(173) Sanguin		>>> 6	Positive (RhD+)	4,9 %
(174) IVT Imuno		>>> 5	Positive (RhD+)	4,1 %
(203) ANTITOXIN		>>> 2	Positive (RhD+)	1,6 %
(999) another manufacturer		>>> 5	Positive (RhD+)	4,1 %
Total per sample: n = 122		Success: 99 %		
E2 and S2 (0) not specified		>>> 1	Positive (RhD+)	0,82 %
(6) APR		>>> 3	Positive (RhD+)	2,5 %
(14) Bio-Rad		>>> 42	Positive (RhD+)	34 %
(40) Ortho Clinical Diagnostics		>>> 4	Positive (RhD+)	3,3 %
(50) Merck		>>> 1	Positive (RhD+)	0,82 %
(52) Dynex		>>> 3	Positive (RhD+)	2,5 %
(64) Exbio Olomouc		>>> 7	Positive (RhD+)	5,7 %
(80) DiaMed		>>> 12	Positive (RhD+)	9,8 %
(159) Grifols		>>> 14	Positive (RhD+)	11 %
(172) Immucor		>>> 17	Positive (RhD+)	14 %
(173) Sanguin		>>> 6	Positive (RhD+)	4,9 %
(174) IVT Imuno		>>> 5	Positive (RhD+)	4,1 %
(203) ANTITOXIN		>>> 2	Positive (RhD+)	1,6 %
(999) another manufacturer		>>> 5	Positive (RhD+)	4,1 %
Total per sample: n = 122		Success: 100 %		
Total success: 99 %				

(715) Antigen C

E1 and S1 (0) not specified		>>> 1	Positive	1,9 %
(14) Bio-Rad		>>> 21	Positive	40 %
(52) Dynex		>>> 1	Positive	1,9 %
(64) Exbio Olomouc		>>> 2	Positive	3,8 %
(80) DiaMed		>>> 6	Positive	12 %
(159) Grifols		>>> 8	Positive	15 %
(172) Immucor		>>> 7	Positive	13 %
(173) Sanguin		>>> 2	Positive	3,8 %
(174) IVT Imuno		>>> 1	Positive	1,9 %
(203) ANTITOXIN		>>> 2	Positive	3,8 %
(999) another manufacturer		>>> 1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %		
E2 and S2 (0) not specified		>>> 1	Positive	1,9 %
(14) Bio-Rad		>>> 21	Positive	40 %
(52) Dynex		>>> 1	Positive	1,9 %
(64) Exbio Olomouc		>>> 2	Positive	3,8 %
(80) DiaMed		>>> 6	Positive	12 %
(159) Grifols		>>> 8	Positive	15 %
(172) Immucor		>>> 7	Positive	13 %
(173) Sanguin		>>> 2	Positive	3,8 %
(174) IVT Imuno		>>> 1	Positive	1,9 %
(203) ANTITOXIN		>>> 2	Positive	3,8 %
(999) another manufacturer		>>> 1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %		
Total success: 100 %				

(716) Antigen c

E1 and S1 (0) not specified		>>> 1	Positive	1,9 %
(14) Bio-Rad		>>> 21	Positive	40 %
(64) Exbio Olomouc		>>> 2	Positive	3,8 %
(80) DiaMed		>>> 6	Positive	12 %
(159) Grifols		>>> 8	Positive	15 %

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Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (172)	Immucor	>>>	7 Positive	13 %
	(173) Sanguin	>>>	3 Positive	5,8 %
	(174) IVT Imuno	>>>	1 Positive	1,9 %
	(203) ANTITOXIN	>>>	2 Positive	3,8 %
	(999) another manufacturer	>>>	1 Positive	1,9 %
Total per sample: n = 52		Success: 100 %	-----	
E2 and S2 (0) not specified	(14) Bio-Rad	>>>	1 Negative	1,9 %
	(64) Exbio Olomouc	>>>	21 Negative	40 %
	(80) DiaMed	>>>	2 Negative	3,8 %
	(159) Grifols	>>>	6 Negative	12 %
	(172) Immucor	>>>	8 Negative	15 %
	(173) Sanguin	>>>	7 Negative	13 %
	(174) IVT Imuno	>>>	3 Negative	5,8 %
	(174) IVT Imuno	>>>	1 Negative	1,9 %
	(203) ANTITOXIN	>>>	2 Negative	3,8 %
	(999) another manufacturer	>>>	1 Negative	1,9 %
Total per sample: n = 52		Success: 100 %	-----	
Total success: 100 %				

(717) Antigen Cw

E1 and S1 (0) not specified		>>>	1 Negative	2,4 %
			1 Positive	2,4 %
	(14) Bio-Rad	>>>	12 Negative	29 %
	(64) Exbio Olomouc	>>>	4 Negative	9,8 %
	(80) DiaMed	>>>	3 Negative	7,3 %
	(159) Grifols	>>>	8 Negative	20 %
	(172) Immucor	>>>	5 Negative	12 %
	(173) Sanguin	>>>	5 Negative	12 %
(203) ANTITOXIN	>>>	2 Negative	4,9 %	
Total per sample: n = 41		Success: 98 %	-----	
E2 and S2 (0) not specified	(14) Bio-Rad	>>>	2 Negative	4,9 %
	(64) Exbio Olomouc	>>>	12 Negative	29 %
	(80) DiaMed	>>>	4 Negative	9,8 %
	(159) Grifols	>>>	3 Negative	7,3 %
	(172) Immucor	>>>	8 Negative	20 %
	(173) Sanguin	>>>	5 Negative	12 %
	(173) Sanguin	>>>	5 Negative	12 %
	(203) ANTITOXIN	>>>	2 Negative	4,9 %
Total per sample: n = 41		Success: 100 %	-----	
Total success: 98 %				

(718) Antigen E

E1 and S1 (0) not specified		>>>	1 Negative	1,9 %
	(14) Bio-Rad	>>>	21 Negative	40 %
	(52) Dynex	>>>	1 Negative	1,9 %
	(64) Exbio Olomouc	>>>	2 Negative	3,8 %
	(80) DiaMed	>>>	6 Negative	12 %
	(159) Grifols	>>>	8 Negative	15 %
	(172) Immucor	>>>	7 Negative	13 %
	(173) Sanguin	>>>	2 Negative	3,8 %
	(174) IVT Imuno	>>>	1 Negative	1,9 %
	(203) ANTITOXIN	>>>	2 Negative	3,8 %
	(999) another manufacturer	>>>	1 Negative	1,9 %
	Total per sample: n = 52		Success: 100 %	-----
E2 and S2 (0) not specified	(14) Bio-Rad	>>>	1 Negative	1,9 %
	(52) Dynex	>>>	21 Negative	40 %
	(64) Exbio Olomouc	>>>	1 Negative	1,9 %
	(80) DiaMed	>>>	2 Negative	3,8 %
	(159) Grifols	>>>	6 Negative	12 %
	(172) Immucor	>>>	8 Negative	15 %
	(173) Sanguin	>>>	7 Negative	13 %
	(173) Sanguin	>>>	2 Negative	3,8 %
	(174) IVT Imuno	>>>	1 Negative	1,9 %
	(203) ANTITOXIN	>>>	2 Negative	3,8 %
(999) another manufacturer	>>>	1 Negative	1,9 %	
Total per sample: n = 52		Success: 100 %	-----	
Total success: 100 %				

(719) Antigen e

E1 and S1 (0) not specified		>>>	1 Positive	1,9 %
(14) Bio-Rad		>>>	21 Positive	40 %

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Test			N	Result	N _{rel}
Sample	Group				
E1 and S1 (64)	Exbio Olomouc	>>>	2	Positive	3,8 %
(80)	DiaMed	>>>	6	Positive	12 %
(159)	Grifols	>>>	8	Positive	15 %
(172)	Immucor	>>>	7	Positive	13 %
(173)	Sanguin	>>>	3	Positive	5,8 %
(174)	IVT Imuno	>>>	1	Positive	1,9 %
(203)	ANTITOXIN	>>>	2	Positive	3,8 %
(999)	another manufacturer	>>>	1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %	-		
E2 and S2 (0)	not specified	>>>	1	Positive	1,9 %
(14)	Bio-Rad	>>>	21	Positive	40 %
(64)	Exbio Olomouc	>>>	2	Positive	3,8 %
(80)	DiaMed	>>>	6	Positive	12 %
(159)	Grifols	>>>	8	Positive	15 %
(172)	Immucor	>>>	7	Positive	13 %
(173)	Sanguin	>>>	3	Positive	5,8 %
(174)	IVT Imuno	>>>	1	Positive	1,9 %
(203)	ANTITOXIN	>>>	2	Positive	3,8 %
(999)	another manufacturer	>>>	1	Positive	1,9 %
Total per sample: n = 52		Success: 100 %	-		
Total success: 100 %					
(720) Antigen K					
E1 and S1 (0)	not specified	>>>	2	Negative	3,6 %
(14)	Bio-Rad	>>>	19	Negative	34 %
(52)	Dynex	>>>	1	Negative	1,8 %
(64)	Exbio Olomouc	>>>	1	Negative	1,8 %
(80)	DiaMed	>>>	6	Negative	11 %
(159)	Grifols	>>>	11	Negative	20 %
(172)	Immucor	>>>	7	Negative	13 %
(173)	Sanguin	>>>	3	Negative	5,4 %
(174)	IVT Imuno	>>>	3	Negative	5,4 %
(203)	ANTITOXIN	>>>	2	Negative	3,6 %
(999)	another manufacturer	>>>	1	Negative	1,8 %
Total per sample: n = 56		Success: 100 %	-		
E2 and S2 (0)	not specified	>>>	2	Negative	3,6 %
(14)	Bio-Rad	>>>	19	Negative	34 %
(52)	Dynex	>>>	1	Negative	1,8 %
(64)	Exbio Olomouc	>>>	1	Negative	1,8 %
(80)	DiaMed	>>>	6	Negative	11 %
(159)	Grifols	>>>	11	Negative	20 %
(172)	Immucor	>>>	7	Negative	13 %
(173)	Sanguin	>>>	3	Negative	5,4 %
(174)	IVT Imuno	>>>	3	Negative	5,4 %
(203)	ANTITOXIN	>>>	2	Negative	3,6 %
(999)	another manufacturer	>>>	1	Negative	1,8 %
Total per sample: n = 56		Success: 100 %	-		
Total success: 100 %					
(721) Antigen k					
E1 and S1 (14)	Bio-Rad	>>>	8	Positive	23 %
(64)	Exbio Olomouc	>>>	5	Positive	14 %
(80)	DiaMed	>>>	3	Positive	8,6 %
(159)	Grifols	>>>	4	Positive	11 %
(172)	Immucor	>>>	4	Positive	11 %
(173)	Sanguin	>>>	7	Positive	20 %
(203)	ANTITOXIN	>>>	3	Positive	8,6 %
(999)	another manufacturer	>>>	1	Positive	2,9 %
Total per sample: n = 35		Success: 100 %	-		
E2 and S2 (14)	Bio-Rad	>>>	8	Positive	23 %
(64)	Exbio Olomouc	>>>	5	Positive	14 %
(80)	DiaMed	>>>	3	Positive	8,6 %
(159)	Grifols	>>>	4	Positive	11 %
(172)	Immucor	>>>	4	Positive	11 %
(173)	Sanguin	>>>	7	Positive	20 %
(203)	ANTITOXIN	>>>	3	Positive	8,6 %
(999)	another manufacturer	>>>	1	Positive	2,9 %
Total per sample: n = 35		Success: 100 %	-		
Total success: 100 %					

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Sample	Group		N	Result	N _{rel}
(722) Antigen M					
E1 and S1 (14)	Bio-Rad	>>>	8	Negative	26 %
	(64) Exbio Olomouc	>>>	3	Negative	9,7 %
	(80) DiaMed	>>>	5	Negative	16 %
	(159) Grifols	>>>	3	Negative	9,7 %
	(172) Immucor	>>>	9	Negative	29 %
	(173) Sanguin	>>>	1	Negative	3,2 %
	(203) ANTITOXIN	>>>	2	Negative	6,5 %
Total per sample: n = 31		Success: 100 %	-		
E2 and S2 (14)	Bio-Rad	>>>	8	Positive	26 %
	(64) Exbio Olomouc	>>>	3	Positive	9,7 %
	(80) DiaMed	>>>	5	Positive	16 %
	(159) Grifols	>>>	3	Positive	9,7 %
	(172) Immucor	>>>	9	Positive	29 %
	(173) Sanguin	>>>	1	Positive	3,2 %
	(203) ANTITOXIN	>>>	2	Positive	6,5 %
Total per sample: n = 31		Success: 100 %	-		
Total success: 100 %					

(723) Antigen N

E1 and S1 (14)	Bio-Rad	>>>	8	Positive	28 %
	(64) Exbio Olomouc	>>>	2	Positive	6,9 %
	(80) DiaMed	>>>	5	Positive	17 %
	(159) Grifols	>>>	4	Positive	14 %
	(172) Immucor	>>>	6	Positive	21 %
	(173) Sanguin	>>>	2	Positive	6,9 %
	(203) ANTITOXIN	>>>	2	Positive	6,9 %
Total per sample: n = 29		Success: 100 %	-		
E2 and S2 (14)	Bio-Rad	>>>	8	Positive	28 %
	(64) Exbio Olomouc	>>>	2	Positive	6,9 %
	(80) DiaMed	>>>	5	Positive	17 %
	(159) Grifols	>>>	1	Negative	3,4 %
		>>>	3	Positive	10 %
	(172) Immucor	>>>	6	Positive	21 %
	(173) Sanguin	>>>	2	Positive	6,9 %
	(203) ANTITOXIN	>>>	2	Positive	6,9 %
Total per sample: n = 29		Success: 97 %	-		
Total success: 97 %					

(724) Antigen S

E1 and S1 (14)	Bio-Rad	>>>	9	Negative	29 %
	(50) Merck	>>>	1	Negative	3,2 %
	(52) Dynex	>>>	1	Negative	3,2 %
	(64) Exbio Olomouc	>>>	3	Negative	9,7 %
	(80) DiaMed	>>>	5	Negative	16 %
	(159) Grifols	>>>	3	Negative	9,7 %
	(172) Immucor	>>>	4	Negative	13 %
	(173) Sanguin	>>>	4	Negative	13 %
	(203) ANTITOXIN	>>>	1	Negative	3,2 %
Total per sample: n = 31		Success: 100 %	-		
E2 and S2 (14)	Bio-Rad	>>>	9	Negative	29 %
	(50) Merck	>>>	1	Negative	3,2 %
	(52) Dynex	>>>	1	Negative	3,2 %
	(64) Exbio Olomouc	>>>	3	Negative	9,7 %
	(80) DiaMed	>>>	5	Negative	16 %
	(159) Grifols	>>>	3	Negative	9,7 %
	(172) Immucor	>>>	4	Negative	13 %
	(173) Sanguin	>>>	4	Negative	13 %
	(203) ANTITOXIN	>>>	1	Negative	3,2 %
Total per sample: n = 31		Success: 100 %	-		
Total success: 100 %					

(725) Antigen s

E1 and S1 (14)	Bio-Rad	>>>	9	Positive	29 %
	(64) Exbio Olomouc	>>>	4	Positive	13 %
	(80) DiaMed	>>>	5	Positive	16 %
	(159) Grifols	>>>	3	Positive	9,7 %
	(172) Immucor	>>>	4	Positive	13 %
	(173) Sanguin	>>>	5	Positive	16 %
	(203) ANTITOXIN	>>>	1	Positive	3,2 %
Total per sample: n = 31		Success: 100 %	-		
E2 and S2 (14)	Bio-Rad	>>>	9	Positive	29 %

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Sample	Group	N	Result	N _{rel}
E2 and S2 (64)	Exbio Olomouc	>>>	4 Positive	13 %
(80)	DiaMed	>>>	5 Positive	16 %
(159)	Grifols	>>>	3 Positive	9,7 %
(172)	Immucor	>>>	4 Positive	13 %
(173)	Sanguin	>>>	5 Positive	16 %
(203)	ANTITOXIN	>>>	1 Positive	3,2 %
Total per sample: n = 31		Success: 100 %		
Total success: 100 %				

(726) Antigen P1

E1 and S1 (14)	Bio-Rad	>>>	7 Positive	29 %
(64)	Exbio Olomouc	>>>	4 Positive	17 %
(80)	DiaMed	>>>	3 Positive	13 %
(172)	Immucor	>>>	2 Positive	8,3 %
(173)	Sanguin	>>>	6 Positive	25 %
(203)	ANTITOXIN	>>>	2 Positive	8,3 %
Total per sample: n = 24		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>>	7 Positive	29 %
(64)	Exbio Olomouc	>>>	1 Negative	4,2 %
		>>>	3 Positive	13 %
(80)	DiaMed	>>>	3 Positive	13 %
(172)	Immucor	>>>	1 Negative	4,2 %
		>>>	1 Positive	4,2 %
(173)	Sanguin	>>>	6 Positive	25 %
(203)	ANTITOXIN	>>>	2 Positive	8,3 %
Total per sample: n = 24		Success: 92 %		
Total success: 92 %				

(727) Antigen Fya

E1 and S1 (14)	Bio-Rad	>>>	9 Positive	29 %
(64)	Exbio Olomouc	>>>	3 Positive	9,7 %
(80)	DiaMed	>>>	5 Positive	16 %
(159)	Grifols	>>>	4 Positive	13 %
(172)	Immucor	>>>	4 Positive	13 %
(173)	Sanguin	>>>	4 Positive	13 %
(203)	ANTITOXIN	>>>	2 Positive	6,5 %
Total per sample: n = 31		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>>	9 Positive	29 %
(64)	Exbio Olomouc	>>>	3 Positive	9,7 %
(80)	DiaMed	>>>	5 Positive	16 %
(159)	Grifols	>>>	4 Positive	13 %
(172)	Immucor	>>>	4 Positive	13 %
(173)	Sanguin	>>>	4 Positive	13 %
(203)	ANTITOXIN	>>>	2 Positive	6,5 %
Total per sample: n = 31		Success: 100 %		
Total success: 100 %				

(728) Antigen Fyb

E1 and S1 (14)	Bio-Rad	>>>	9 Positive	29 %
(64)	Exbio Olomouc	>>>	3 Positive	9,7 %
(80)	DiaMed	>>>	5 Positive	16 %
(159)	Grifols	>>>	4 Positive	13 %
(172)	Immucor	>>>	1 Negative	3,2 %
		>>>	3 Positive	9,7 %
(173)	Sanguin	>>>	4 Positive	13 %
(203)	ANTITOXIN	>>>	2 Positive	6,5 %
Total per sample: n = 31		Success: 97 %		
E2 and S2 (14)	Bio-Rad	>>>	9 Positive	29 %
(64)	Exbio Olomouc	>>>	3 Positive	9,7 %
(80)	DiaMed	>>>	5 Positive	16 %
(159)	Grifols	>>>	4 Positive	13 %
(172)	Immucor	>>>	1 Negative	3,2 %
		>>>	3 Positive	9,7 %
(173)	Sanguin	>>>	4 Positive	13 %
(203)	ANTITOXIN	>>>	2 Positive	6,5 %
Total per sample: n = 31		Success: 97 %		
Total success: 97 %				

(729) Antigen Jka

E1 and S1 (14)	Bio-Rad	>>>	9 Positive	30 %
(50)	Merck	>>>	1 Positive	3,3 %

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Sample	Group	N	Result	N _{rel}
E1 and S1 (52)	Dynex	>>>	1 Positive	3,3 %
	(64) Exbio Olomouc	>>>	3 Positive	10 %
	(80) DiaMed	>>>	4 Positive	13 %
	(159) Grifols	>>>	3 Positive	10 %
	(172) Immucor	>>>	3 Positive	10 %
	(173) Sanguin	>>>	4 Positive	13 %
	(203) ANTITOXIN	>>>	2 Positive	6,7 %
	Total per sample: n = 30		Success: 100 %	-
E2 and S2 (14)	Bio-Rad	>>>	9 Positive	30 %
	(50) Merck	>>>	1 Positive	3,3 %
	(52) Dynex	>>>	1 Positive	3,3 %
	(64) Exbio Olomouc	>>>	3 Positive	10 %
	(80) DiaMed	>>>	4 Positive	13 %
	(159) Grifols	>>>	3 Positive	10 %
	(172) Immucor	>>>	3 Positive	10 %
	(173) Sanguin	>>>	4 Positive	13 %
(203) ANTITOXIN	>>>	2 Positive	6,7 %	
Total per sample: n = 30		Success: 100 %	-	
Total success: 100 %				

(730) Antigen Jkb

E1 and S1 (14)	Bio-Rad	>>>	9 Negative	30 %
	(50) Merck	>>>	1 Negative	3,3 %
	(52) Dynex	>>>	1 Negative	3,3 %
	(64) Exbio Olomouc	>>>	3 Negative	10 %
	(80) DiaMed	>>>	4 Negative	13 %
	(159) Grifols	>>>	3 Negative	10 %
	(172) Immucor	>>>	3 Negative	10 %
	(173) Sanguin	>>>	4 Negative	13 %
(203) ANTITOXIN	>>>	2 Negative	6,7 %	
Total per sample: n = 30		Success: 100 %	-	
E2 and S2 (14)	Bio-Rad	>>>	9 Positive	30 %
	(50) Merck	>>>	1 Positive	3,3 %
	(52) Dynex	>>>	1 Positive	3,3 %
	(64) Exbio Olomouc	>>>	3 Positive	10 %
	(80) DiaMed	>>>	4 Positive	13 %
	(159) Grifols	>>>	3 Positive	10 %
	(172) Immucor	>>>	3 Positive	10 %
	(173) Sanguin	>>>	4 Positive	13 %
(203) ANTITOXIN	>>>	2 Positive	6,7 %	
Total per sample: n = 30		Success: 100 %	-	
Total success: 100 %				

(731) Antigen Lua

E1 and S1 (14)	Bio-Rad	>>>	7 Negative	29 %
	(64) Exbio Olomouc	>>>	3 Negative	13 %
	(80) DiaMed	>>>	3 Negative	13 %
	(159) Grifols	>>>	2 Negative	8,3 %
	(172) Immucor	>>>	4 Negative	17 %
	(173) Sanguin	>>>	2 Negative	8,3 %
	(203) ANTITOXIN	>>>	1 Negative	4,2 %
	(999) another manufacturer	>>>	2 Negative	8,3 %
Total per sample: n = 24		Success: 100 %	-	
E2 and S2 (14)	Bio-Rad	>>>	7 Negative	29 %
	(64) Exbio Olomouc	>>>	3 Negative	13 %
	(80) DiaMed	>>>	3 Negative	13 %
	(159) Grifols	>>>	2 Negative	8,3 %
	(172) Immucor	>>>	4 Negative	17 %
	(173) Sanguin	>>>	2 Negative	8,3 %
	(203) ANTITOXIN	>>>	1 Negative	4,2 %
	(999) another manufacturer	>>>	2 Negative	8,3 %
Total per sample: n = 24		Success: 100 %	-	
Total success: 100 %				

(732) Antigen Lub

E1 and S1 (14)	Bio-Rad	>>>	7 Positive	30 %
	(64) Exbio Olomouc	>>>	3 Positive	13 %
	(80) DiaMed	>>>	3 Positive	13 %
	(159) Grifols	>>>	2 Positive	8,7 %
	(172) Immucor	>>>	2 Positive	8,7 %
	(173) Sanguin	>>>	2 Positive	8,7 %

EQA round: IH2/18 - Blood Group Serology

Dead line: 07.06.2018

Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (203)	ANTITOXIN	>>> 1	Positive	4,3 %
(999)	another manufacturer	>>> 3	Positive	13 %
Total per sample: n = 23		Success: 100 %	-----	
E2 and S2 (14)	Bio-Rad	>>> 7	Positive	30 %
(64)	Exbio Olomouc	>>> 3	Positive	13 %
(80)	DiaMed	>>> 3	Positive	13 %
(159)	Grifols	>>> 2	Positive	8,7 %
(172)	Immucor	>>> 2	Positive	8,7 %
(173)	Sanguin	>>> 2	Positive	8,7 %
(203)	ANTITOXIN	>>> 1	Positive	4,3 %
(999)	another manufacturer	>>> 3	Positive	13 %
Total per sample: n = 23		Success: 100 %	-----	
Total success: 100 %				

(733) Antigen Lea

E1 and S1 (14)	Bio-Rad	>>> 10	Negative	36 %
(50)	Merck	>>> 1	Negative	3,6 %
(64)	Exbio Olomouc	>>> 3	Negative	11 %
(80)	DiaMed	>>> 5	Negative	18 %
(172)	Immucor	>>> 6	Negative	21 %
(173)	Sanguin	>>> 1	Negative	3,6 %
(203)	ANTITOXIN	>>> 2	Negative	7,1 %
Total per sample: n = 28		Success: 100 %	-----	
E2 and S2 (14)	Bio-Rad	>>> 10	Negative	36 %
(50)	Merck	>>> 1	Negative	3,6 %
(64)	Exbio Olomouc	>>> 3	Negative	11 %
(80)	DiaMed	>>> 5	Negative	18 %
(172)	Immucor	>>> 6	Negative	21 %
(173)	Sanguin	>>> 1	Negative	3,6 %
(203)	ANTITOXIN	>>> 2	Negative	7,1 %
Total per sample: n = 28		Success: 100 %	-----	
Total success: 100 %				

(734) Antigen Leb

E1 and S1 (14)	Bio-Rad	>>> 10	Positive	36 %
(50)	Merck	>>> 1	Positive	3,6 %
(64)	Exbio Olomouc	>>> 3	Positive	11 %
(80)	DiaMed	>>> 5	Positive	18 %
(172)	Immucor	>>> 5	Positive	18 %
(173)	Sanguin	>>> 2	Positive	7,1 %
(203)	ANTITOXIN	>>> 2	Positive	7,1 %
Total per sample: n = 28		Success: 100 %	-----	
E2 and S2 (14)	Bio-Rad	>>> 10	Positive	36 %
(50)	Merck	>>> 1	Positive	3,6 %
(64)	Exbio Olomouc	>>> 3	Positive	11 %
(80)	DiaMed	>>> 5	Positive	18 %
(172)	Immucor	>>> 5	Positive	18 %
(173)	Sanguin	>>> 2	Positive	7,1 %
(203)	ANTITOXIN	>>> 1	Negative	3,6 %
		>>> 1	Positive	3,6 %
Total per sample: n = 28		Success: 96 %	-----	
Total success: 96 %				

(737) Direct Coombs (antiglobulin) test

E1 and S1 (0)	not specified	>>> 1	Negative	0,96 %
(6)	APR	>>> 1	Negative	0,96 %
(14)	Bio-Rad	>>> 51	Negative	49 %
(40)	Ortho Clinical Diagnostics	>>> 4	Negative	3,8 %
(64)	Exbio Olomouc	>>> 1	Negative	0,96 %
(80)	DiaMed	>>> 28	Negative	27 %
(159)	Grifols	>>> 14	Negative	13 %
(172)	Immucor	>>> 2	Negative	1,9 %
(173)	Sanguin	>>> 1	Negative	0,96 %
(174)	IVT Imuno	>>> 1	Negative	0,96 %
Total per sample: n = 104		Success: 100 %	-----	
E2 and S2 (0)	not specified	>>> 1	Negative	0,96 %
(6)	APR	>>> 1	Negative	0,96 %
(14)	Bio-Rad	>>> 50	Negative	48 %
		>>> 1	Positive	0,96 %
(40)	Ortho Clinical Diagnostics	>>> 4	Negative	3,8 %
(64)	Exbio Olomouc	>>> 1	Negative	0,96 %

EQA round: IH2/18 - Blood Group Serology

Dead line: 07.06.2018

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (80) DiaMed	>>>	28	Negative	27 %
(159) Grifols	>>>	14	Negative	13 %
(172) Immucor	>>>	2	Negative	1,9 %
(173) Sanguin	>>>	1	Negative	0,96 %
(174) IVT Imuno	>>>	1	Negative	0,96 %
Total per sample: n = 104		Success: 99 %		
Total success: 99 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 (0) not specified	>>>	2	Positive	2,6 %
(6) APR	>>>	2	Positive	2,6 %
(14) Bio-Rad	>>>	32	Positive	42 %
(40) Ortho Clinical Diagnostics	>>>	1	Positive	1,3 %
(64) Exbio Olomouc	>>>	1	Positive	1,3 %
(80) DiaMed	>>>	18	Positive	24 %
(159) Grifols	>>>	9	Positive	12 %
(172) Immucor	>>>	11	Positive	14 %
Total per sample: n = 76		Success: 100 %		
E2 and S2 (0) not specified	>>>	2	Positive	2,6 %
(6) APR	>>>	2	Positive	2,6 %
(14) Bio-Rad	>>>	32	Positive	42 %
(40) Ortho Clinical Diagnostics	>>>	1	Positive	1,3 %
(64) Exbio Olomouc	>>>	1	Positive	1,3 %
(80) DiaMed	>>>	18	Positive	24 %
(159) Grifols	>>>	9	Positive	12 %
(172) Immucor	>>>	11	Positive	14 %
Total per sample: n = 76		Success: 100 %		
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 (0) not specified	>>>	1	Positive	0,87 %
(6) APR	>>>	2	Positive	1,7 %
(14) Bio-Rad	>>>	60	Positive	52 %
(40) Ortho Clinical Diagnostics	>>>	4	Positive	3,5 %
(80) DiaMed	>>>	27	Positive	23 %
(159) Grifols	>>>	16	Positive	14 %
(172) Immucor	>>>	5	Positive	4,3 %
Total per sample: n = 115		Success: 100 %		
E2 and S2 (0) not specified	>>>	1	Positive	0,87 %
(6) APR	>>>	2	Positive	1,7 %
(14) Bio-Rad	>>>	60	Positive	52 %
(40) Ortho Clinical Diagnostics	>>>	4	Positive	3,5 %
(80) DiaMed	>>>	27	Positive	23 %
(159) Grifols	>>>	16	Positive	14 %
(172) Immucor	>>>	5	Positive	4,3 %
Total per sample: n = 115		Success: 100 %		
Total success: 100 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 (6) APR	>>>	2	Positive	2,1 %
(14) Bio-Rad	>>>	45	Positive	48 %
(40) Ortho Clinical Diagnostics	>>>	4	Positive	4,3 %
(64) Exbio Olomouc	>>>	1	Positive	1,1 %
(80) DiaMed	>>>	21	Positive	22 %
(159) Grifols	>>>	16	Positive	17 %
(172) Immucor	>>>	5	Positive	5,3 %
Total per sample: n = 94		Success: 100 %		
E2 and S2 (6) APR	>>>	2	Positive	2,1 %
(14) Bio-Rad	>>>	45	Positive	48 %
(40) Ortho Clinical Diagnostics	>>>	4	Positive	4,3 %
(64) Exbio Olomouc	>>>	1	Positive	1,1 %
(80) DiaMed	>>>	21	Positive	22 %
(159) Grifols	>>>	16	Positive	17 %
(172) Immucor	>>>	5	Positive	5,3 %
Total per sample: n = 94		Success: 100 %		
Total success: 100 %				
(747) Antibody screening (enzyme test)				
E1 and S1 (14) Bio-Rad	>>>	47	Positive	52 %
(40) Ortho Clinical Diagnostics	>>>	1	Positive	1,1 %
(80) DiaMed	>>>	25	Positive	27 %

Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (159)	Grifols	>>> 16	Positive	18 %
	(172) Immucor	>>> 2	Positive	2,2 %
----- Total per sample: n = 91 ----- Success: 100 % -----				
E2 and S2 (14)	Bio-Rad	>>> 47	Positive	52 %
	(40) Ortho Clinical Diagnostics	>>> 1	Positive	1,1 %
	(80) DiaMed	>>> 25	Positive	27 %
	(159) Grifols	>>> 16	Positive	18 %
	(172) Immucor	>>> 2	Positive	2,2 %
----- Total per sample: n = 91 ----- Success: 100 % -----				
Total success: 100 %				

(750) Antibody identification

E1 and S1 (0) not specified	>>> 33	anti-E; anti-Cw	100 %
----- Total per sample: n = 33 ----- Success: 100 % -----			
E2 and S2 (0) not specified	>>> 33	anti-E; anti-S	100 %
----- Total per sample: n = 33 ----- Success: 100 % -----			
Total success: 100 %			

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

E1 and S1 (0) not specified	± 1	titre 256	3,8 %
	± 1	titre 2	3,8 %
	± 7	titre 8	27 %
	± 8	titre 16	31 %
	± 7	titre 32	27 %
	± 2	titre 64	7,7 %
----- Total per sample: n = 26 ----- Success (only evaluated results): evaluation -----			

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

E1 and S1 (0) not specified	± 1	titre 2	3,8 %
	± 9	titre 8	35 %
	± 6	titre 16	23 %
	± 8	titre 32	31 %
	± 2	titre 64	7,7 %
----- Total per sample: n = 26 ----- Success (only evaluated results): evaluation -----			

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

E2 and S2 (0) not specified	± 2	titre 256	7,7 %
	± 2	titre 4	7,7 %
	± 2	titre 8	7,7 %
	± 5	titre 16	19 %
	± 8	titre 32	31 %
	± 6	titre 64	23 %
	± 1	titre 128	3,8 %
----- Total per sample: n = 26 ----- Success (only evaluated results): evaluation -----			

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

E2 and S2 (0) not specified	± 1	titre 0 (not measurable)	3,8 %
	± 9	titre 8	35 %
	± 11	titre 16	42 %
	± 5	titre 32	19 %
----- Total per sample: n = 26 ----- Success (only evaluated results): evaluation -----			

Set of samples 3**(760) Crossmatch**

S1	All results	>>> 102	Crossmatch successful	100 %
----- Total per sample: n = 102 ----- Success: 100 % -----				
S2	All results	>>> 102	Crossmatch successful	100 %
----- Total per sample: n = 102 ----- Success: 100 % -----				
Total success: 100 %				

(761) Crossmatch (segment K1)

S1	(0) not specified	>>> 102	Positive test	100 %
----- Total per sample: n = 102 ----- Success: 100 % -----				
S2	(0) not specified	>>> 102	Negative test	100 %
----- Total per sample: n = 102 ----- Success: 100 % -----				
Total success: 100 %				

(762) Serve transfusion product (segment K1)

S1	(0) not specified	± 100	Impossible, risk of haemolysis	99 %
		± 1	Decision depends on results of other tests not performed in our laboratory	0,99 %
----- Total per sample: n = 101 ----- Success (only evaluated results): evaluation -----				
S2	(0) not specified	± 2	Impossible, risk of haemolysis	2,0 %
		± 54	Decision depends on results of other tests not	53 %

Test

Sample	Group	N	Result	N _{rel}
S2			performed in our laboratory	
		± 32	Only if more suitable products are not available	32 %
		± 13	Possible	13 %
Total per sample: n = 101		Success (only evaluated results): evaluation		

(764) Crossmatch (segment K2)

S1	(0) not specified	>>> 102	Negative test	100 %
Total per sample: n = 102		Success: 100 %		
S2	(0) not specified	>>> 102	Positive test	100 %
Total per sample: n = 102		Success: 100 %		
Total success: 100 %				

(765) Serve transfusion product (segment K2)

S1	(0) not specified	± 1	Impossible, risk of haemolysis	0,99 %
		± 53	Decision depends on results of other tests not performed in our laboratory	52 %
		± 18	Only if more suitable products are not available	18 %
		± 29	Possible	29 %
Total per sample: n = 101		Success (only evaluated results): evaluation		
S2	(0) not specified	± 100	Impossible, risk of haemolysis	99 %
		± 1	Decision depends on results of other tests not performed in our laboratory	0,99 %
Total per sample: n = 101		Success (only evaluated results): evaluation		