

EQA round: IH1/19 - 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 (6) APR	>>>	1	Blood group: A	0,50 %
(14) Bio-Rad		1	Not specified	0,50 %
	>>>	64	Blood group: A	32 %
(40) Ortho Clinical Diagnostics	>>>	6	Blood group: A	3,0 %
(52) Dynex	>>>	2	Blood group: A	0,99 %
(64) Exbio Olomouc	>>>	13	Blood group: A	6,4 %
(80) DiaMed	>>>	17	Blood group: A	8,4 %
(159) Grifols	>>>	41	Blood group: A	20 %
(171) Diagast	>>>	2	Blood group: A	0,99 %
(172) Immucor	>>>	37	Blood group: A	18 %
(173) Sanguin	>>>	5	Blood group: A	2,5 %
(174) IVT Imuno	>>>	4	Blood group: A	2,0 %
(183) Immunodiagnostic Systems	>>>	1	Blood group: A	0,50 %
(203) ANTITOXIN	>>>	2	Blood group: A	0,99 %
(999) another manufacturer	>>>	6	Blood group: A	3,0 %
Total per sample: n = 202		Success: 100 %		

E2 and S2 (6) APR	>>>	1	Blood group: B	0,50 %
(14) Bio-Rad	>>>	65	Blood group: B	32 %
(40) Ortho Clinical Diagnostics	>>>	6	Blood group: B	3,0 %
(52) Dynex	>>>	2	Blood group: B	0,99 %
(64) Exbio Olomouc	>>>	13	Blood group: B	6,4 %
(80) DiaMed	>>>	17	Blood group: B	8,4 %
(159) Grifols	>>>	41	Blood group: B	20 %
(171) Diagast	>>>	2	Blood group: B	0,99 %
(172) Immucor	>>>	37	Blood group: B	18 %
(173) Sanguin	>>>	5	Blood group: B	2,5 %
(174) IVT Imuno	>>>	4	Blood group: B	2,0 %
(183) Immunodiagnostic Systems	>>>	1	Blood group: B	0,50 %
(203) ANTITOXIN	>>>	2	Blood group: B	0,99 %
(999) another manufacturer	>>>	6	Blood group: B	3,0 %
Total per sample: n = 202		Success: 100 %		

Total success: 100 %

(703) A subgroup

E1 and S1 (0) not specified	>>>	60	A subgroup A1	100 %
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Total per sample: n = 60 Success: 100 %

E2 and S2 (0) not specified	>>>	60	Not specified	100 %
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Total per sample: n = 60 Success: 100 %

Total success: 100 %

(705) Rh D antigen (blood-donor)

E1 and S1 (0) not specified	>>>	2	Negative (RhD-)	1,6 %
(6) APR	>>>	1	Negative (RhD-)	0,79 %
(14) Bio-Rad	>>>	38	Negative (RhD-)	30 %
(40) Ortho Clinical Diagnostics	>>>	3	Negative (RhD-)	2,4 %
(52) Dynex	>>>	3	Negative (RhD-)	2,4 %
(64) Exbio Olomouc	>>>	4	Negative (RhD-)	3,1 %
(80) DiaMed	>>>	9	Negative (RhD-)	7,1 %
(159) Grifols	>>>	23	Negative (RhD-)	18 %
(170) Biotest	>>>	1	Negative (RhD-)	0,79 %
(171) Diagast	>>>	3	Negative (RhD-)	2,4 %
(172) Immucor	>>>	30	Negative (RhD-)	24 %
(173) Sanguin	>>>	1	Negative (RhD-)	0,79 %
(174) IVT Imuno	>>>	2	Negative (RhD-)	1,6 %
(203) ANTITOXIN	>>>	3	Negative (RhD-)	2,4 %
(999) another manufacturer	>>>	4	Negative (RhD-)	3,1 %
Total per sample: n = 127		Success: 100 %		

E2 and S2 (0) not specified	>>>	2	Negative (RhD-)	1,6 %
(6) APR	>>>	1	Negative (RhD-)	0,79 %
(14) Bio-Rad	>>>	38	Negative (RhD-)	30 %
(40) Ortho Clinical Diagnostics	>>>	3	Negative (RhD-)	2,4 %
(52) Dynex	>>>	3	Negative (RhD-)	2,4 %
(64) Exbio Olomouc	>>>	4	Negative (RhD-)	3,1 %
(80) DiaMed	>>>	9	Negative (RhD-)	7,1 %
(159) Grifols	>>>	23	Negative (RhD-)	18 %

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Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (170)	Biotest	>>> 1	Negative (RhD-)	0,79 %
(171)	Diagast	>>> 3	Negative (RhD-)	2,4 %
(172)	Immucor	>>> 30	Negative (RhD-)	24 %
(173)	Sanguin	>>> 1	Negative (RhD-)	0,79 %
(174)	IVT Imuno	>>> 2	Negative (RhD-)	1,6 %
(203)	ANTITOXIN	>>> 3	Negative (RhD-)	2,4 %
(999)	another manufacturer	>>> 4	Negative (RhD-)	3,1 %
Total per sample: n = 127		Success: 100 %		
Total success: 100 %				

(709) Rh D antigen (recipient)

E1 and S1 (0) not specified	>>> 1	Negative (RhD-)	0,53 %	
(6) APR	>>> 1	Negative (RhD-)	0,53 %	
(14) Bio-Rad	>>> 62	Negative (RhD-)	33 %	
(40) Ortho Clinical Diagnostics	>>> 6	Negative (RhD-)	3,2 %	
(52) Dynex	>>> 1	Negative (RhD-)	0,53 %	
(64) Exbio Olomouc	>>> 10	Negative (RhD-)	5,3 %	
(80) DiaMed	>>> 15	Negative (RhD-)	7,9 %	
(159) Grifols	>>> 38	Negative (RhD-)	20 %	
(170) Biotest	>>> 1	Negative (RhD-)	0,53 %	
(171) Diagast	>>> 2	Negative (RhD-)	1,1 %	
(172) Immucor	>>> 37	Negative (RhD-)	20 %	
(173) Sanguin	>>> 5	Negative (RhD-)	2,6 %	
(174) IVT Imuno	>>> 2	Negative (RhD-)	1,1 %	
(183) Immunodiagnostic Systems	>>> 1	Negative (RhD-)	0,53 %	
(203) ANTITOXIN	>>> 3	Negative (RhD-)	1,6 %	
(999) another manufacturer	>>> 4	Negative (RhD-)	2,1 %	
Total per sample: n = 189		Success: 100 %		
Total success: 100 %				
E2 and S2 (0) not specified	>>> 1	Negative (RhD-)	0,53 %	
(6) APR	>>> 1	Negative (RhD-)	0,53 %	
(14) Bio-Rad	>>> 62	Negative (RhD-)	33 %	
(40) Ortho Clinical Diagnostics	>>> 6	Negative (RhD-)	3,2 %	
(52) Dynex	>>> 1	Negative (RhD-)	0,53 %	
(64) Exbio Olomouc	>>> 10	Negative (RhD-)	5,3 %	
(80) DiaMed	>>> 15	Negative (RhD-)	7,9 %	
(159) Grifols	>>> 38	Negative (RhD-)	20 %	
(170) Biotest	>>> 1	Negative (RhD-)	0,53 %	
(171) Diagast	>>> 2	Negative (RhD-)	1,1 %	
(172) Immucor	>>> 37	Negative (RhD-)	20 %	
(173) Sanguin	>>> 5	Negative (RhD-)	2,6 %	
(174) IVT Imuno	>>> 2	Negative (RhD-)	1,1 %	
(183) Immunodiagnostic Systems	>>> 1	Negative (RhD-)	0,53 %	
(203) ANTITOXIN	>>> 3	Negative (RhD-)	1,6 %	
(999) another manufacturer	>>> 4	Negative (RhD-)	2,1 %	
Total per sample: n = 189		Success: 100 %		
Total success: 100 %				

(715) Antigen C

E1 and S1 (14) Bio-Rad	>>> 33	Negative	35 %	
(64) Exbio Olomouc	>>> 1	Negative	1,1 %	
(80) DiaMed	>>> 9	Negative	9,5 %	
(159) Grifols	>>> 24	Negative	25 %	
(171) Diagast	>>> 1	Negative	1,1 %	
(172) Immucor	>>> 17	Negative	18 %	
(173) Sanguin	>>> 2	Negative	2,1 %	
(174) IVT Imuno	>>> 1	Negative	1,1 %	
(183) Immunodiagnostic Systems	>>> 1	Negative	1,1 %	
(203) ANTITOXIN	>>> 4	Negative	4,2 %	
(999) another manufacturer	>>> 2	Negative	2,1 %	
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				
E2 and S2 (14) Bio-Rad	>>> 33	Negative	35 %	
(64) Exbio Olomouc	>>> 1	Negative	1,1 %	
(80) DiaMed	>>> 9	Negative	9,5 %	
(159) Grifols	>>> 24	Negative	25 %	
(171) Diagast	>>> 1	Negative	1,1 %	
(172) Immucor	>>> 17	Negative	18 %	
(173) Sanguin	>>> 2	Negative	2,1 %	
(174) IVT Imuno	>>> 1	Negative	1,1 %	
(183) Immunodiagnostic Systems	>>> 1	Negative	1,1 %	
(203) ANTITOXIN	>>> 4	Negative	4,2 %	

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Dead line: 14.03.2019

Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (999) another manufacturer		>>> 2	Negative	2,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				

(716) Antigen c

E1 and S1 (14) Bio-Rad		>>> 33	Positive	35 %
(64) Exbio Olomouc		>>> 1	Positive	1,1 %
(80) DiaMed		>>> 9	Positive	9,5 %
(159) Grifols		>>> 24	Positive	25 %
(171) Diagast		>>> 1	Positive	1,1 %
(172) Immucor		>>> 17	Positive	18 %
(173) Sanguin		>>> 3	Positive	3,2 %
(174) IVT Imuno		>>> 1	Positive	1,1 %
(203) ANTITOXIN		>>> 4	Positive	4,2 %
(999) another manufacturer		>>> 2	Positive	2,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				
E2 and S2 (14) Bio-Rad		>>> 33	Positive	35 %
(64) Exbio Olomouc		>>> 1	Positive	1,1 %
(80) DiaMed		>>> 9	Positive	9,5 %
(159) Grifols		>>> 24	Positive	25 %
(171) Diagast		>>> 1	Positive	1,1 %
(172) Immucor		>>> 17	Positive	18 %
(173) Sanguin		>>> 3	Positive	3,2 %
(174) IVT Imuno		>>> 1	Positive	1,1 %
(203) ANTITOXIN		>>> 4	Positive	4,2 %
(999) another manufacturer		>>> 2	Positive	2,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				

(717) Antigen Cw

E1 and S1 (14) Bio-Rad		>>> 21	Negative	29 %
(64) Exbio Olomouc		>>> 2	Negative	2,7 %
(80) DiaMed		>>> 1	Negative	1,4 %
(159) Grifols		>>> 26	Negative	36 %
(170) Biotest		>>> 1	Negative	1,4 %
(172) Immucor		>>> 13	Negative	18 %
(173) Sanguin		>>> 5	Negative	6,8 %
(174) IVT Imuno		>>> 1	Negative	1,4 %
(203) ANTITOXIN		>>> 2	Negative	2,7 %
(999) another manufacturer		>>> 1	Negative	1,4 %
Total per sample: n = 73		Success: 100 %		
Total success: 100 %				
E2 and S2 (14) Bio-Rad		>>> 21	Negative	29 %
(64) Exbio Olomouc		>>> 2	Negative	2,7 %
(80) DiaMed		>>> 1	Negative	1,4 %
(159) Grifols		>>> 26	Negative	36 %
(170) Biotest		>>> 1	Negative	1,4 %
(172) Immucor		>>> 13	Negative	18 %
(173) Sanguin		>>> 5	Negative	6,8 %
(174) IVT Imuno		>>> 1	Negative	1,4 %
(203) ANTITOXIN		>>> 2	Negative	2,7 %
(999) another manufacturer		>>> 1	Negative	1,4 %
Total per sample: n = 73		Success: 100 %		
Total success: 100 %				

(718) Antigen E

E1 and S1 (14) Bio-Rad		>>> 33	Negative	35 %
(64) Exbio Olomouc		>>> 1	Negative	1,1 %
(80) DiaMed		>>> 9	Negative	9,5 %
(159) Grifols		>>> 24	Negative	25 %
(171) Diagast		>>> 1	Negative	1,1 %
(172) Immucor		>>> 17	Negative	18 %
(173) Sanguin		>>> 3	Negative	3,2 %
(174) IVT Imuno		>>> 1	Negative	1,1 %
(203) ANTITOXIN		>>> 4	Negative	4,2 %
(999) another manufacturer		>>> 2	Negative	2,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				
E2 and S2 (14) Bio-Rad		>>> 33	Negative	35 %
(64) Exbio Olomouc		>>> 1	Negative	1,1 %
(80) DiaMed		>>> 9	Negative	9,5 %
(159) Grifols		>>> 24	Negative	25 %
(171) Diagast		>>> 1	Negative	1,1 %

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Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (172)	Immucor	>>> 17	Negative	18 %
(173)	Sanguin	>>> 3	Negative	3,2 %
(174)	IVT Imuno	>>> 1	Negative	1,1 %
(203)	ANTITOXIN	>>> 4	Negative	4,2 %
(999)	another manufacturer	>>> 2	Negative	2,1 %
Total per sample: n = 95		Success: 100 %		
Total success: 100 %				

(719) Antigen e

E1 and S1 (14)	Bio-Rad	1	Negative	1,1 %
		>>> 32	Positive	34 %
(64)	Exbio Olomouc	>>> 1	Positive	1,1 %
(80)	DiaMed	>>> 9	Positive	9,5 %
(159)	Grifols	>>> 24	Positive	25 %
(171)	Diagast	>>> 1	Positive	1,1 %
(172)	Immucor	>>> 17	Positive	18 %
(173)	Sanguin	>>> 2	Positive	2,1 %
(174)	IVT Imuno	>>> 1	Positive	1,1 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	1,1 %
(203)	ANTITOXIN	>>> 4	Positive	4,2 %
(999)	another manufacturer	>>> 2	Positive	2,1 %
Total per sample: n = 95		Success: 99 %		
E2 and S2 (14)	Bio-Rad	1	Negative	1,1 %
		>>> 32	Positive	34 %
(64)	Exbio Olomouc	>>> 1	Positive	1,1 %
(80)	DiaMed	>>> 9	Positive	9,5 %
(159)	Grifols	>>> 24	Positive	25 %
(171)	Diagast	>>> 1	Positive	1,1 %
(172)	Immucor	>>> 17	Positive	18 %
(173)	Sanguin	>>> 2	Positive	2,1 %
(174)	IVT Imuno	>>> 1	Positive	1,1 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	1,1 %
(203)	ANTITOXIN	>>> 4	Positive	4,2 %
(999)	another manufacturer	>>> 2	Positive	2,1 %
Total per sample: n = 95		Success: 99 %		
Total success: 99 %				

(720) Antigen K

E1 and S1 (0)	not specified	>>> 1	Negative	0,97 %
(14)	Bio-Rad	>>> 34	Negative	33 %
(64)	Exbio Olomouc	>>> 1	Negative	0,97 %
(80)	DiaMed	>>> 9	Negative	8,7 %
(159)	Grifols	>>> 29	Negative	28 %
(171)	Diagast	>>> 1	Negative	0,97 %
(172)	Immucor	>>> 17	Negative	17 %
(173)	Sanguin	>>> 2	Negative	1,9 %
(174)	IVT Imuno	>>> 1	Negative	0,97 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	0,97 %
(203)	ANTITOXIN	>>> 4	Negative	3,9 %
(999)	another manufacturer	>>> 3	Negative	2,9 %
Total per sample: n = 103		Success: 100 %		
E2 and S2 (0)	not specified	>>> 1	Negative	0,97 %
(14)	Bio-Rad	>>> 34	Negative	33 %
(64)	Exbio Olomouc	>>> 1	Negative	0,97 %
(80)	DiaMed	>>> 9	Negative	8,7 %
(159)	Grifols	>>> 29	Negative	28 %
(171)	Diagast	>>> 1	Negative	0,97 %
(172)	Immucor	>>> 17	Negative	17 %
(173)	Sanguin	>>> 2	Negative	1,9 %
(174)	IVT Imuno	>>> 1	Negative	0,97 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	0,97 %
(203)	ANTITOXIN	>>> 4	Negative	3,9 %
(999)	another manufacturer	>>> 3	Negative	2,9 %
Total per sample: n = 103		Success: 100 %		
Total success: 100 %				

(721) Antigen k

E1 and S1 (14)	Bio-Rad	>>> 9	Positive	17 %
(64)	Exbio Olomouc	>>> 4	Positive	7,5 %
(80)	DiaMed	>>> 2	Positive	3,8 %
(159)	Grifols	>>> 14	Positive	26 %

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Test

Sample	Group	N	Result	N _{rel}
E1 and S1 (172)	Immucor	>>> 15	Positive	28 %
(173)	Sanguin	>>> 7	Positive	13 %
(174)	IVT Imuno	>>> 1	Positive	1,9 %
(999)	another manufacturer	>>> 1	Positive	1,9 %
Total per sample: n = 53		Success: 100 %	-----	
E2 and S2 (14)	Bio-Rad	>>> 9	Positive	17 %
(64)	Exbio Olomouc	>>> 4	Positive	7,5 %
(80)	DiaMed	>>> 2	Positive	3,8 %
(159)	Grifols	>>> 14	Positive	26 %
(172)	Immucor	>>> 15	Positive	28 %
(173)	Sanguin	>>> 7	Positive	13 %
(174)	IVT Imuno	>>> 1	Positive	1,9 %
(999)	another manufacturer	>>> 1	Positive	1,9 %
Total per sample: n = 53		Success: 100 %	-----	
Total success: 100 %				

(722) Antigen M

E1 and S1 (6)	APR	>>> 1	Negative	1,9 %
(14)	Bio-Rad	>>> 11	Negative	21 %
(52)	Dynex	>>> 1	Negative	1,9 %
(64)	Exbio Olomouc	>>> 1	Negative	1,9 %
(80)	DiaMed	>>> 4	Negative	7,7 %
(159)	Grifols	>>> 14	Negative	27 %
(172)	Immucor	>>> 11	Negative	21 %
(173)	Sanguin	>>> 4	Negative	7,7 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	1,9 %
(203)	ANTITOXIN	>>> 4	Negative	7,7 %
Total per sample: n = 52		Success: 100 %	-----	
E2 and S2 (6)	APR	>>> 1	Positive	1,9 %
(14)	Bio-Rad	>>> 11	Positive	21 %
(52)	Dynex	>>> 1	Positive	1,9 %
(64)	Exbio Olomouc	>>> 1	Positive	1,9 %
(80)	DiaMed	>>> 4	Positive	7,7 %
(159)	Grifols	>>> 14	Positive	27 %
(172)	Immucor	>>> 11	Positive	21 %
(173)	Sanguin	>>> 4	Positive	7,7 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	1,9 %
(203)	ANTITOXIN	>>> 4	Positive	7,7 %
Total per sample: n = 52		Success: 100 %	-----	
Total success: 100 %				

(723) Antigen N

E1 and S1 (14)	Bio-Rad	>>> 10	Positive	20 %
(52)	Dynex	>>> 1	Positive	2,0 %
(64)	Exbio Olomouc	>>> 1	Positive	2,0 %
(80)	DiaMed	>>> 4	Positive	8,2 %
(159)	Grifols	>>> 15	Positive	31 %
(172)	Immucor	>>> 9	Positive	18 %
(173)	Sanguin	>>> 3	Positive	6,1 %
(174)	IVT Imuno	>>> 1	Positive	2,0 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	2,0 %
(203)	ANTITOXIN	>>> 4	Positive	8,2 %
Total per sample: n = 49		Success: 100 %	-----	
E2 and S2 (14)	Bio-Rad	>>> 10	Negative	20 %
(52)	Dynex	>>> 1	Positive	2,0 %
(64)	Exbio Olomouc	>>> 1	Negative	2,0 %
(80)	DiaMed	>>> 4	Negative	8,2 %
(159)	Grifols	>>> 15	Negative	31 %
(172)	Immucor	>>> 9	Negative	18 %
(173)	Sanguin	>>> 3	Negative	6,1 %
(174)	IVT Imuno	>>> 1	Negative	2,0 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	2,0 %
(203)	ANTITOXIN	>>> 4	Negative	8,2 %
Total per sample: n = 49		Success: 98 %	-----	
Total success: 98 %				

(724) Antigen S

E1 and S1 (14)	Bio-Rad	>>> 12	Positive	24 %
(52)	Dynex	>>> 1	Positive	2,0 %
(64)	Exbio Olomouc	>>> 1	Positive	2,0 %
(80)	DiaMed	>>> 5	Positive	9,8 %

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Sample	Group	N	Result	N _{rel}
E1 and S1 (159)	Grifols	>>> 13	Positive	25 %
	(172) Immucor	>>> 8	Positive	16 %
	(173) Sanguin	>>> 4	Positive	7,8 %
	(174) IVT Imuno	>>> 3	Positive	5,9 %
	(203) ANTITOXIN	>>> 4	Positive	7,8 %
	Total per sample: n = 51		Success: 100 %	-
E2 and S2 (14)	Bio-Rad	>>> 12	Positive	24 %
	(52) Dynex	>>> 1	Positive	2,0 %
	(64) Exbio Olomouc	>>> 1	Positive	2,0 %
	(80) DiaMed	>>> 5	Positive	9,8 %
	(159) Grifols	>>> 13	Positive	25 %
	(172) Immucor	>>> 8	Positive	16 %
	(173) Sanguin	>>> 4	Positive	7,8 %
	(174) IVT Imuno	>>> 3	Positive	5,9 %
	(203) ANTITOXIN	>>> 4	Positive	7,8 %
Total per sample: n = 51		Success: 100 %	-	
Total success: 100 %				

(725) Antigen s

E1 and S1 (14)	Bio-Rad	>>> 12	Positive	24 %
	(64) Exbio Olomouc	>>> 2	Positive	3,9 %
	(80) DiaMed	>>> 5	Positive	9,8 %
	(159) Grifols	>>> 13	Positive	25 %
	(172) Immucor	>>> 7	Positive	14 %
	(173) Sanguin	>>> 5	Positive	9,8 %
	(174) IVT Imuno	>>> 3	Positive	5,9 %
	(203) ANTITOXIN	>>> 4	Positive	7,8 %
Total per sample: n = 51		Success: 100 %	-	
E2 and S2 (14)	Bio-Rad	>>> 12	Positive	24 %
	(64) Exbio Olomouc	>>> 2	Positive	3,9 %
	(80) DiaMed	>>> 5	Positive	9,8 %
	(159) Grifols	>>> 13	Positive	25 %
	(172) Immucor	>>> 7	Positive	14 %
	(173) Sanguin	>>> 5	Positive	9,8 %
	(174) IVT Imuno	>>> 3	Positive	5,9 %
	(203) ANTITOXIN	>>> 4	Positive	7,8 %
Total per sample: n = 51		Success: 100 %	-	
Total success: 100 %				

(726) Antigen P1

E1 and S1 (6)	APR	>>> 1	Positive	2,6 %
	(14) Bio-Rad	>>> 10	Positive	26 %
	(64) Exbio Olomouc	>>> 2	Positive	5,3 %
	(80) DiaMed	>>> 2	Positive	5,3 %
	(159) Grifols	>>> 10	Positive	26 %
	(172) Immucor	>>> 7	Positive	18 %
	(173) Sanguin	>>> 5	Positive	13 %
	(203) ANTITOXIN	>>> 1	Positive	2,6 %
Total per sample: n = 38		Success: 100 %	-	
E2 and S2 (6)	APR	>>> 1	Positive	2,6 %
	(14) Bio-Rad	>>> 10	Positive	26 %
	(64) Exbio Olomouc	>>> 2	Positive	5,3 %
	(80) DiaMed	>>> 2	Positive	5,3 %
	(159) Grifols	>>> 10	Positive	26 %
	(172) Immucor	>>> 7	Positive	18 %
	(173) Sanguin	>>> 5	Positive	13 %
	(203) ANTITOXIN	>>> 1	Positive	2,6 %
Total per sample: n = 38		Success: 100 %	-	
Total success: 100 %				

(727) Antigen Fya

E1 and S1 (14)	Bio-Rad	>>> 13	Positive	25 %
	(64) Exbio Olomouc	>>> 2	Positive	3,8 %
	(80) DiaMed	>>> 4	Positive	7,5 %
	(159) Grifols	>>> 14	Positive	26 %
	(172) Immucor	>>> 8	Positive	15 %
	(173) Sanguin	>>> 7	Positive	13 %
	(174) IVT Imuno	>>> 1	Positive	1,9 %
	(203) ANTITOXIN	>>> 4	Positive	7,5 %
Total per sample: n = 53		Success: 100 %	-	
E2 and S2 (14)	Bio-Rad	>>> 13	Positive	25 %

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Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (64)	Exbio Olomouc	>>> 2	Positive	3,8 %
(80)	DiaMed	>>> 4	Positive	7,5 %
(159)	Grifols	>>> 14	Positive	26 %
(172)	Immucor	>>> 8	Positive	15 %
(173)	Sanguin	>>> 7	Positive	13 %
(174)	IVT Imuno	>>> 1	Positive	1,9 %
(203)	ANTITOXIN	>>> 1	Negative	1,9 %
		>>> 3	Positive	5,7 %
Total per sample: n = 53		Success: 98 %		
Total success: 98 %				

(728) Antigen Fyb

E1 and S1 (14)	Bio-Rad	>>> 13	Negative	24 %
(64)	Exbio Olomouc	>>> 3	Negative	5,6 %
(80)	DiaMed	>>> 4	Negative	7,4 %
(159)	Grifols	>>> 14	Negative	26 %
(172)	Immucor	>>> 9	Negative	17 %
(173)	Sanguin	>>> 7	Negative	13 %
(174)	IVT Imuno	>>> 1	Negative	1,9 %
(203)	ANTITOXIN	>>> 3	Negative	5,6 %
Total per sample: n = 54		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>> 13	Positive	24 %
(64)	Exbio Olomouc	>>> 3	Positive	5,6 %
(80)	DiaMed	>>> 4	Positive	7,4 %
(159)	Grifols	>>> 14	Positive	26 %
(172)	Immucor	>>> 9	Positive	17 %
(173)	Sanguin	>>> 7	Positive	13 %
(174)	IVT Imuno	>>> 1	Positive	1,9 %
(203)	ANTITOXIN	>>> 2	Negative	3,7 %
		>>> 1	Positive	1,9 %
Total per sample: n = 54		Success: 96 %		
Total success: 96 %				

(729) Antigen Jka

E1 and S1 (6)	APR	>>> 1	Positive	1,9 %
(14)	Bio-Rad	>>> 12	Positive	23 %
(52)	Dynex	>>> 1	Positive	1,9 %
(64)	Exbio Olomouc	>>> 2	Positive	3,8 %
(80)	DiaMed	>>> 3	Positive	5,8 %
(159)	Grifols	>>> 15	Positive	29 %
(172)	Immucor	>>> 9	Positive	17 %
(173)	Sanguin	>>> 6	Positive	12 %
(203)	ANTITOXIN	>>> 3	Positive	5,8 %
Total per sample: n = 52		Success: 100 %		
E2 and S2 (6)	APR	>>> 1	Positive	1,9 %
(14)	Bio-Rad	>>> 12	Positive	23 %
(52)	Dynex	>>> 1	Positive	1,9 %
(64)	Exbio Olomouc	>>> 2	Positive	3,8 %
(80)	DiaMed	>>> 3	Positive	5,8 %
(159)	Grifols	>>> 15	Positive	29 %
(172)	Immucor	>>> 9	Positive	17 %
(173)	Sanguin	>>> 6	Positive	12 %
(203)	ANTITOXIN	>>> 3	Positive	5,8 %
Total per sample: n = 52		Success: 100 %		
Total success: 100 %				

(730) Antigen Jkb

E1 and S1 (14)	Bio-Rad	>>> 11	Negative	22 %
(52)	Dynex	>>> 1	Negative	2,0 %
(64)	Exbio Olomouc	>>> 2	Negative	3,9 %
(80)	DiaMed	>>> 3	Negative	5,9 %
(159)	Grifols	>>> 15	Negative	29 %
(172)	Immucor	>>> 10	Negative	20 %
(173)	Sanguin	>>> 5	Negative	9,8 %
(174)	IVT Imuno	>>> 1	Negative	2,0 %
(203)	ANTITOXIN	>>> 3	Negative	5,9 %
Total per sample: n = 51		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>> 11	Positive	22 %
(52)	Dynex	>>> 1	Positive	2,0 %
(64)	Exbio Olomouc	>>> 2	Positive	3,9 %
(80)	DiaMed	>>> 3	Positive	5,9 %

EQA round: IH1/19 - Blood Group Serology

Dead line: 14.03.2019

Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (159)	Grifols	>>> 15	Positive	29 %
(172)	Immucor	>>> 10	Positive	20 %
(173)	Sanguin	>>> 5	Positive	9,8 %
(174)	IVT Imuno	>>> 1	Positive	2,0 %
(203)	ANTITOXIN	>>> 3	Positive	5,9 %
Total per sample: n = 51		Success: 100 %		
Total success: 100 %				

(731) Antigen Lua

E1 and S1 (14)	Bio-Rad	>>> 8	Negative	21 %
(64)	Exbio Olomouc	>>> 2	Negative	5,3 %
(80)	DiaMed	>>> 1	Negative	2,6 %
(159)	Grifols	>>> 14	Negative	37 %
(172)	Immucor	>>> 4	Negative	11 %
(173)	Sanguin	>>> 4	Negative	11 %
(174)	IVT Imuno	>>> 1	Negative	2,6 %
(203)	ANTITOXIN	>>> 2	Negative	5,3 %
(999)	another manufacturer	>>> 2	Negative	5,3 %
Total per sample: n = 38		Success: 100 %		
Total success: 100 %				
E2 and S2 (14)	Bio-Rad	>>> 8	Negative	21 %
(64)	Exbio Olomouc	>>> 2	Negative	5,3 %
(80)	DiaMed	>>> 1	Negative	2,6 %
(159)	Grifols	>>> 14	Negative	37 %
(172)	Immucor	>>> 4	Negative	11 %
(173)	Sanguin	>>> 4	Negative	11 %
(174)	IVT Imuno	>>> 1	Negative	2,6 %
(203)	ANTITOXIN	>>> 2	Negative	5,3 %
(999)	another manufacturer	>>> 1	Negative	2,6 %
		>>> 1	Positive	2,6 %
Total per sample: n = 38		Success: 97 %		
Total success: 97 %				

(732) Antigen Lub

E1 and S1 (14)	Bio-Rad	>>> 6	Positive	17 %
(64)	Exbio Olomouc	>>> 2	Positive	5,7 %
(80)	DiaMed	>>> 1	Positive	2,9 %
(159)	Grifols	>>> 13	Positive	37 %
(172)	Immucor	>>> 4	Positive	11 %
(173)	Sanguin	>>> 4	Positive	11 %
(203)	ANTITOXIN	>>> 2	Positive	5,7 %
(999)	another manufacturer	>>> 3	Positive	8,6 %
Total per sample: n = 35		Success: 100 %		
Total success: 100 %				
E2 and S2 (14)	Bio-Rad	>>> 6	Positive	17 %
(64)	Exbio Olomouc	>>> 2	Positive	5,7 %
(80)	DiaMed	>>> 1	Positive	2,9 %
(159)	Grifols	>>> 13	Positive	37 %
(172)	Immucor	>>> 4	Positive	11 %
(173)	Sanguin	>>> 4	Positive	11 %
(203)	ANTITOXIN	>>> 2	Positive	5,7 %
(999)	another manufacturer	>>> 3	Positive	8,6 %
Total per sample: n = 35		Success: 100 %		
Total success: 100 %				

(733) Antigen Lea

E1 and S1 (14)	Bio-Rad	>>> 12	Negative	29 %
(52)	Dynex	>>> 2	Negative	4,9 %
(64)	Exbio Olomouc	>>> 1	Negative	2,4 %
(80)	DiaMed	>>> 1	Negative	2,4 %
(159)	Grifols	>>> 10	Negative	24 %
(172)	Immucor	>>> 8	Negative	20 %
(173)	Sanguin	>>> 3	Negative	7,3 %
(203)	ANTITOXIN	>>> 3	Negative	7,3 %
(999)	another manufacturer	>>> 1	Negative	2,4 %
Total per sample: n = 41		Success: 100 %		
Total success: 100 %				
E2 and S2 (14)	Bio-Rad	>>> 12	Negative	29 %
(52)	Dynex	>>> 2	Negative	4,9 %
(64)	Exbio Olomouc	>>> 1	Negative	2,4 %
(80)	DiaMed	>>> 1	Negative	2,4 %
(159)	Grifols	>>> 9	Negative	22 %
		>>> 1	Positive	2,4 %
(172)	Immucor	>>> 8	Negative	20 %

EQA round: IH1/19 - Blood Group Serology

Test			N	Result	N _{rel}
Sample	Group				
E2 and S2 (173)	Sanguin	>>>	3	Negative	7,3 %
	(203) ANTITOXIN	>>>	3	Negative	7,3 %
	(999) another manufacturer	>>>	1	Negative	2,4 %
Total per sample: n = 41		Success: 98 %			
Total success: 98 %					
(734) Antigen Leb					
E1 and S1 (14)	Bio-Rad	>>>	12	Positive	29 %
	(52) Dynex	>>>	2	Positive	4,9 %
	(64) Exbio Olomouc	>>>	1	Positive	2,4 %
	(80) DiaMed	>>>	1	Positive	2,4 %
	(159) Grifols		1	Negative	2,4 %
		>>>	9	Positive	22 %
	(172) Immucor		4	Negative	9,8 %
		>>>	4	Positive	9,8 %
	(173) Sanguin	>>>	3	Positive	7,3 %
	(203) ANTITOXIN	>>>	3	Positive	7,3 %
	(999) another manufacturer	>>>	1	Positive	2,4 %
Total per sample: n = 41		Success: 88 %			
E2 and S2 (14)	Bio-Rad	>>>	12	Positive	29 %
	(52) Dynex	>>>	2	Positive	4,9 %
	(64) Exbio Olomouc	>>>	1	Positive	2,4 %
	(80) DiaMed	>>>	1	Positive	2,4 %
	(159) Grifols	>>>	10	Positive	24 %
	(172) Immucor	>>>	8	Positive	20 %
	(173) Sanguin	>>>	3	Positive	7,3 %
	(203) ANTITOXIN	>>>	3	Positive	7,3 %
	(999) another manufacturer	>>>	1	Positive	2,4 %
Total per sample: n = 41		Success: 100 %			
Total success: 88 %					
(737) Direct Coombs (antiglobulin) test					
E1 and S1 (14)	Bio-Rad	>>>	76	Negative	51 %
	(40) Ortho Clinical Diagnostics	>>>	6	Negative	4,0 %
	(64) Exbio Olomouc	>>>	2	Negative	1,3 %
	(80) DiaMed	>>>	26	Negative	17 %
	(159) Grifols	>>>	36	Negative	24 %
	(172) Immucor	>>>	3	Negative	2,0 %
	(203) ANTITOXIN	>>>	1	Negative	0,67 %
Total per sample: n = 150		Success: 100 %			
E2 and S2 (14)	Bio-Rad	>>>	76	Negative	51 %
	(40) Ortho Clinical Diagnostics	>>>	6	Negative	4,0 %
	(64) Exbio Olomouc	>>>	2	Negative	1,3 %
	(80) DiaMed	>>>	26	Negative	17 %
	(159) Grifols	>>>	35	Negative	23 %
			1	Positive	0,67 %
	(172) Immucor	>>>	2	Negative	1,3 %
			1	Positive	0,67 %
	(203) ANTITOXIN	>>>	1	Negative	0,67 %
Total per sample: n = 150		Success: 99 %			
Total success: 99 %					
(741) Antibody screening (IAT, blood donor)					
E1 and S1 (14)	Bio-Rad	>	14	Negative	14 %
		>>>	30	Positive	29 %
	(40) Ortho Clinical Diagnostics	>>>	3	Positive	2,9 %
	(64) Exbio Olomouc	>>>	1	Positive	0,98 %
	(80) DiaMed	>	6	Negative	5,9 %
		>>>	12	Positive	12 %
	(159) Grifols	>>>	20	Positive	20 %
	(171) Diagast	>>>	2	Positive	2,0 %
	(172) Immucor	>>>	14	Positive	14 %
Total per sample: n = 102		Success: 100 %			
E2 and S2 (14)	Bio-Rad	>>>	44	Positive	43 %
	(40) Ortho Clinical Diagnostics	>>>	3	Positive	2,9 %
	(64) Exbio Olomouc	>>>	1	Positive	0,98 %
	(80) DiaMed	>>>	18	Positive	18 %
	(159) Grifols	>>>	20	Positive	20 %
	(171) Diagast	>>>	2	Positive	2,0 %
	(172) Immucor	>>>	14	Positive	14 %
Total per sample: n = 102		Success: 100 %			

EQA round: IH1/19 - Blood Group Serology

Test

Sample	Group	N	Result	N _{rel}
Total success: 100 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 (14)	Bio-Rad	5	Negative	2,9 %
		>>> 77	Positive	45 %
	(40) Ortho Clinical Diagnostics	>>> 6	Positive	3,5 %
	(80) DiaMed	>>> 27	Positive	16 %
	(159) Grifols	>>> 46	Positive	27 %
	(172) Immucor	>>> 9	Positive	5,3 %
----- Total per sample: n = 170 ----- Success: 97 % -----				
E2 and S2 (14)	Bio-Rad	>>> 82	Positive	48 %
	(40) Ortho Clinical Diagnostics	>>> 6	Positive	3,5 %
	(80) DiaMed	>>> 27	Positive	16 %
	(159) Grifols	>>> 46	Positive	27 %
	(172) Immucor	>>> 9	Positive	5,3 %
----- Total per sample: n = 170 ----- Success: 100 % -----				
Total success: 97 %				
(745) Antibody screening (IAT, pregnant)				
E1 and S1 (14)	Bio-Rad	4	Negative	2,9 %
		>>> 57	Positive	41 %
	(40) Ortho Clinical Diagnostics	>>> 6	Positive	4,3 %
	(64) Exbio Olomouc	>>> 1	Positive	0,72 %
	(80) DiaMed	>>> 25	Positive	18 %
	(159) Grifols	>>> 39	Positive	28 %
	(172) Immucor	>>> 7	Positive	5,0 %
----- Total per sample: n = 139 ----- Success: 97 % -----				
E2 and S2 (14)	Bio-Rad	>>> 61	Positive	44 %
	(40) Ortho Clinical Diagnostics	>>> 6	Positive	4,3 %
	(64) Exbio Olomouc	>>> 1	Positive	0,72 %
	(80) DiaMed	>>> 25	Positive	18 %
	(159) Grifols	>>> 39	Positive	28 %
	(172) Immucor	>>> 7	Positive	5,0 %
----- Total per sample: n = 139 ----- Success: 100 % -----				
Total success: 97 %				
(747) Antibody screening (enzyme test)				
E1 and S1 (14)	Bio-Rad	1	Not specified	0,84 %
		>>> 49	Negative	41 %
		>	Positive	2,5 %
	(40) Ortho Clinical Diagnostics	>>> 3	Negative	2,5 %
	(80) DiaMed	>>> 19	Negative	16 %
		>	Positive	0,84 %
	(159) Grifols	>>> 41	Negative	34 %
	(172) Immucor	>>> 2	Negative	1,7 %
----- Total per sample: n = 119 ----- Success: 99 % -----				
E2 and S2 (14)	Bio-Rad	>>> 53	Positive	45 %
	(40) Ortho Clinical Diagnostics	>>> 3	Positive	2,5 %
	(80) DiaMed	>>> 20	Positive	17 %
	(159) Grifols	>>> 41	Positive	34 %
	(172) Immucor	>>> 2	Positive	1,7 %
----- Total per sample: n = 119 ----- Success: 100 % -----				
Total success: 99 %				
(750) Antibody identification				
E1 and S1 (0)	not specified	2	Not specified	3,6 %
		>>> 5	anti-Fyb	8,9 %
		>>> 37	anti-Fyb; anti-M	66 %
		1	anti-Fyb; anti-M; anti-K	1,8 %
		>>> 7	anti-Fyb; anti-M; anti-Kpa	13 %
		1	anti-Jkb	1,8 %
		>	anti-M	5,4 %
----- Total per sample: n = 56 ----- Success: 93 % -----				
E2 and S2 (0)	not specified	>>> 55	anti-D	98 %
		1	anti-D; anti-M	1,8 %
----- Total per sample: n = 56 ----- Success: 98 % -----				
Total success: 91 %				
(752) Antibody titre, Sample 1: 1st antibody				
E1 and S1 (0)	not specified	± 1	titre 0 (not measurable)	2,6 %
		± 7	titre 1	18 %
		± 8	titre 2	21 %
		± 17	titre 4	44 %
		± 5	titre 8	13 %

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 (0) not specified		± 1	titre 16	2.6 %
Total per sample: n = 39		Success (only evaluated results): evaluation		
(753) Antibody titre, Sample 1: 2nd antibody				
E1 and S1 (0) not specified		± 7	titre 0 (not measurable)	18 %
		± 17	titre 1	45 %
		± 10	titre 2	26 %
		± 2	titre 4	5,3 %
		± 2	titre 8	5,3 %
Total per sample: n = 38		Success (only evaluated results): evaluation		
(756) Antibody titre, Sample 2: 1st antibody				
E2 and S2 (0) not specified		± 2	titre 256	4,1 %
		± 10	titre 16	20 %
		± 12	titre 32	24 %
		± 16	titre 64	33 %
		± 9	titre 128	18 %
Total per sample: n = 49		Success (only evaluated results): evaluation		
Set of samples 3				
(760) Crossmatch				
S1	All results	>>> 142	Crossmatch successful	100 %
Total per sample: n = 142		Success: 100 %		
S2	All results	2	Crossmatch not successful	1,4 %
		>>> 140	Crossmatch successful	99 %
Total per sample: n = 142		Success: 99 %		
Total success: 99 %				
(761) Crossmatch (segment K1)				
S1	(0) not specified	> 107	Negative test	75 %
		>>> 35	Positive test	25 %
Total per sample: n = 142		Success: 100 %		
S2	(0) not specified	>>> 140	Negative test	99 %
		2	Positive test	1,4 %
Total per sample: n = 142		Success: 99 %		
Total success: 99 %				
(762) Serve transfusion product (segment K1)				
S1	(0) not specified	± 55	Impossible, risk of haemolysis	39 %
		± 61	Decision depends on results of other tests not performed in our laboratory	44 %
		± 8	Only if more suitable products are not available	5,7 %
		± 16	Possible	11 %
Total per sample: n = 140		Success (only evaluated results): evaluation		
S2	(0) not specified	± 4	Impossible, risk of haemolysis	2,9 %
		± 69	Decision depends on results of other tests not performed in our laboratory	49 %
		± 27	Only if more suitable products are not available	19 %
		± 40	Possible	29 %
Total per sample: n = 140		Success (only evaluated results): evaluation		
(764) Crossmatch (segment K2)				
S1	(0) not specified	> 27	Negative test	19 %
		>>> 115	Positive test	81 %
Total per sample: n = 142		Success: 100 %		
S2	(0) not specified	>>> 142	Positive test	100 %
Total per sample: n = 142		Success: 100 %		
Total success: 100 %				
(765) Serve transfusion product (segment K2)				
S1	(0) not specified	± 118	Impossible, risk of haemolysis	84 %
		± 16	Decision depends on results of other tests not performed in our laboratory	11 %
		± 5	Only if more suitable products are not available	3,5 %
		± 2	Possible	1,4 %
Total per sample: n = 141		Success (only evaluated results): evaluation		
S2	(0) not specified	± 139	Impossible, risk of haemolysis	99 %
		± 2	Decision depends on results of other tests not performed in our laboratory	1,4 %
Total per sample: n = 141		Success (only evaluated results): evaluation		