

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}
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Set 1 and 2

(700) AB0 blood group

E1 and S1 (14) Bio-Rad	>>>	52	Blood group: A	30 %
(40) Ortho Clinical Diagnostics	>>>	4	Blood group: A	2,3 %
(52) Dynex	>>>	1	Blood group: A	0,57 %
(64) Exbio Olomouc	>>>	7	Blood group: A	4,0 %
(80) DiaMed	>>>	12	Blood group: A	6,9 %
(159) Grifols	>>>	53	Blood group: A	30 %
(171) Diagast	>>>	2	Blood group: A	1,1 %
(172) Immucor	>>>	26	Blood group: A	15 %
(173) Sanguin	>>>	5	Blood group: A	2,9 %
(174) IVT Imuno	>>>	6	Blood group: A	3,4 %
(183) Immunodiagnostic Systems	>>>	3	Blood group: A	1,7 %
(999) another manufacturer	>>>	4	Blood group: A	2,3 %
----- Total per sample: n = 175 ----- Success: 100 % -----				

E2 and S2 (14) Bio-Rad	>>>	52	Blood group: AB	30 %
(40) Ortho Clinical Diagnostics	>>>	4	Blood group: AB	2,3 %
(52) Dynex	>>>	1	Blood group: AB	0,57 %
(64) Exbio Olomouc	>>>	7	Blood group: AB	4,0 %
(80) DiaMed	>>>	12	Blood group: AB	6,9 %
(159) Grifols	>>>	53	Blood group: AB	30 %
(171) Diagast	>>>	2	Blood group: AB	1,1 %
(172) Immucor	>>>	26	Blood group: AB	15 %
(173) Sanguin	>>>	5	Blood group: AB	2,9 %
(174) IVT Imuno	>>>	6	Blood group: AB	3,4 %
(183) Immunodiagnostic Systems	>>>	3	Blood group: AB	1,7 %
(999) another manufacturer	>>>	4	Blood group: AB	2,3 %
----- Total per sample: n = 175 ----- Success: 100 % -----				

Total success: 100 %

(703) A subgroup

E1 and S1 (0) not specified	>>>	49	A subgroup A1	100 %
----- Total per sample: n = 49 ----- Success: 100 % -----				

E2 and S2 (0) not specified	>>>	2	Not specified	4,1 %
	>>>	47	A subgroup A1	96 %
----- Total per sample: n = 49 ----- Success: 96 % -----				

Total success: 96 %

(705) Rh D antigen (blood-donor)

E1 and S1 (0) not specified	>>>	2	Negative (RhD-)	1,9 %
(14) Bio-Rad	>>>	33	Negative (RhD-)	31 %
(52) Dynex	>>>	2	Negative (RhD-)	1,9 %
(64) Exbio Olomouc	>>>	2	Negative (RhD-)	1,9 %
(80) DiaMed	>>>	6	Negative (RhD-)	5,7 %
(159) Grifols	>>>	26	Negative (RhD-)	25 %
(171) Diagast	>>>	2	Negative (RhD-)	1,9 %
(172) Immucor	>>>	22	Negative (RhD-)	21 %
(173) Sanguin	>>>	1	Negative (RhD-)	0,95 %
(174) IVT Imuno	>>>	3	Negative (RhD-)	2,9 %
(183) Immunodiagnostic Systems	>>>	2	Negative (RhD-)	1,9 %
(203) ANTITOXIN	>>>	2	Negative (RhD-)	1,9 %
(999) another manufacturer	>>>	2	Negative (RhD-)	1,9 %
----- Total per sample: n = 105 ----- Success: 100 % -----				

E2 and S2 (0) not specified	>>>	2	Negative (RhD-)	1,9 %
(14) Bio-Rad	>>>	33	Negative (RhD-)	31 %
(52) Dynex	>>>	2	Negative (RhD-)	1,9 %
(64) Exbio Olomouc	>>>	2	Negative (RhD-)	1,9 %
(80) DiaMed	>>>	6	Negative (RhD-)	5,7 %
(159) Grifols	>>>	26	Negative (RhD-)	25 %
(171) Diagast	>>>	2	Negative (RhD-)	1,9 %
(172) Immucor	>>>	22	Negative (RhD-)	21 %
(173) Sanguin	>>>	1	Negative (RhD-)	0,95 %
(174) IVT Imuno	>>>	3	Negative (RhD-)	2,9 %
(183) Immunodiagnostic Systems	>>>	2	Negative (RhD-)	1,9 %
(203) ANTITOXIN	>>>	2	Negative (RhD-)	1,9 %
(999) another manufacturer	>>>	2	Negative (RhD-)	1,9 %

EQA round: IH3/21 - Blood Group Serology

Deadline: 17.09.2021

Test

Sample	Group	N	Result	N _{rel}
Total per sample: n = 105 Success: 100 %				
Total success: 100 %				

(709) Rh D antigen (recipient)

E1 and S1	(14) Bio-Rad	>>> 51	Negative (RhD-)	31 %
	(40) Ortho Clinical Diagnostics	>>> 4	Negative (RhD-)	2,4 %
	(52) Dynex	>>> 1	Negative (RhD-)	0,61 %
	(64) Exbio Olomouc	>>> 6	Negative (RhD-)	3,7 %
	(80) DiaMed	>>> 10	Negative (RhD-)	6,1 %
	(159) Grifols	>>> 51	Negative (RhD-)	31 %
	(170) Biotest	>>> 1	Negative (RhD-)	0,61 %
	(171) Diagast	>>> 2	Negative (RhD-)	1,2 %
	(172) Immucor	>>> 24	Negative (RhD-)	15 %
	(173) Sanguin	>>> 4	Negative (RhD-)	2,4 %
	(174) IVT Imuno	>>> 3	Negative (RhD-)	1,8 %
	(183) Immunodiagnostic Systems	>>> 1	Negative (RhD-)	0,61 %
	(203) ANTITOXIN	>>> 2	Negative (RhD-)	1,2 %
	(999) another manufacturer	>>> 4	Negative (RhD-)	2,4 %
Total per sample: n = 164 Success: 100 %				

E2 and S2	(14) Bio-Rad	>>> 51	Negative (RhD-)	31 %
	(40) Ortho Clinical Diagnostics	>>> 4	Negative (RhD-)	2,4 %
	(52) Dynex	>>> 1	Negative (RhD-)	0,61 %
	(64) Exbio Olomouc	>>> 6	Negative (RhD-)	3,7 %
	(80) DiaMed	>>> 10	Negative (RhD-)	6,1 %
	(159) Grifols	>>> 51	Negative (RhD-)	31 %
	(170) Biotest	>>> 1	Negative (RhD-)	0,61 %
	(171) Diagast	>>> 2	Negative (RhD-)	1,2 %
	(172) Immucor	>>> 24	Negative (RhD-)	15 %
	(173) Sanguin	>>> 4	Negative (RhD-)	2,4 %
	(174) IVT Imuno	>>> 3	Negative (RhD-)	1,8 %
	(183) Immunodiagnostic Systems	>>> 1	Negative (RhD-)	0,61 %
	(203) ANTITOXIN	>>> 2	Negative (RhD-)	1,2 %
	(999) another manufacturer	>>> 4	Negative (RhD-)	2,4 %
Total per sample: n = 164 Success: 100 %				

Total success: 100 %

(715) Antigen C

E1 and S1	(14) Bio-Rad	>>> 35	Negative	38 %
	(50) Merck	>>> 1	Negative	1,1 %
	(64) Exbio Olomouc	>>> 2	Negative	2,2 %
	(80) DiaMed	>>> 8	Negative	8,7 %
	(159) Grifols	>>> 28	Negative	30 %
	(171) Diagast	>>> 1	Negative	1,1 %
	(172) Immucor	>>> 10	Negative	11 %
	(173) Sanguin	>>> 1	Negative	1,1 %
	(174) IVT Imuno	>>> 2	Negative	2,2 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	1,1 %
	(203) ANTITOXIN	>>> 1	Negative	1,1 %
	(999) another manufacturer	>>> 2	Negative	2,2 %
Total per sample: n = 92 Success: 100 %				

E2 and S2	(14) Bio-Rad	>>> 35	Negative	38 %
	(50) Merck	>>> 1	Negative	1,1 %
	(64) Exbio Olomouc	>>> 2	Negative	2,2 %
	(80) DiaMed	>>> 8	Negative	8,7 %
	(159) Grifols	>>> 28	Negative	30 %
	(171) Diagast	>>> 1	Negative	1,1 %
	(172) Immucor	>>> 10	Negative	11 %
	(173) Sanguin	>>> 1	Negative	1,1 %
	(174) IVT Imuno	>>> 2	Negative	2,2 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	1,1 %
	(203) ANTITOXIN	>>> 1	Negative	1,1 %
	(999) another manufacturer	>>> 2	Negative	2,2 %
Total per sample: n = 92 Success: 100 %				

Total success: 100 %

(716) Antigen c

E1 and S1	(14) Bio-Rad	>>> 35	Positive	38 %
	(50) Merck	>>> 1	Positive	1,1 %
	(64) Exbio Olomouc	>>> 2	Positive	2,2 %
	(80) DiaMed	>>> 8	Positive	8,7 %
	(159) Grifols	>>> 28	Positive	30 %

EQA round: IH3/21 - Blood Group Serology

Deadline: 17.09.2021

Test

Sample	Group	N	Result	N _{rel}
E1 and S1	(171) Diagast	>>> 1	Positive	1,1 %
	(172) Immucor	>>> 10	Positive	11 %
	(173) Sanguin	>>> 1	Positive	1,1 %
	(174) IVT Imuno	>>> 2	Positive	2,2 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	1,1 %
	(203) ANTITOXIN	>>> 1	Positive	1,1 %
	(999) another manufacturer	>>> 2	Positive	2,2 %
Total per sample: n = 92		Success: 100 %	-	-
E2 and S2	(14) Bio-Rad	>>> 35	Positive	38 %
	(50) Merck	>>> 1	Positive	1,1 %
	(64) Exbio Olomouc	>>> 2	Positive	2,2 %
	(80) DiaMed	>>> 8	Positive	8,7 %
	(159) Grifols	>>> 28	Positive	30 %
	(171) Diagast	>>> 1	Positive	1,1 %
	(172) Immucor	>>> 10	Positive	11 %
	(173) Sanguin	>>> 1	Positive	1,1 %
	(174) IVT Imuno	>>> 2	Positive	2,2 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	1,1 %
	(203) ANTITOXIN	>>> 1	Positive	1,1 %
	(999) another manufacturer	>>> 2	Positive	2,2 %
Total per sample: n = 92		Success: 100 %	-	-
Total success: 100 %				

(717) Antigen Cw

E1 and S1	(14) Bio-Rad	>>> 23	Negative	32 %
	(50) Merck	>>> 1	Negative	1,4 %
	(64) Exbio Olomouc	>>> 3	Negative	4,1 %
	(80) DiaMed	>>> 2	Negative	2,7 %
	(159) Grifols	>>> 30	Negative	41 %
	(170) Biotest	>>> 1	Negative	1,4 %
	(172) Immucor	>>> 7	Negative	9,6 %
	(173) Sanguin	>>> 4	Negative	5,5 %
	(174) IVT Imuno	>>> 1	Negative	1,4 %
	(999) another manufacturer	>>> 1	Negative	1,4 %
Total per sample: n = 73		Success: 100 %	-	-
E2 and S2	(14) Bio-Rad	>>> 23	Negative	32 %
	(50) Merck	>>> 1	Negative	1,4 %
	(64) Exbio Olomouc	>>> 3	Negative	4,1 %
	(80) DiaMed	>>> 2	Negative	2,7 %
	(159) Grifols	>>> 30	Negative	41 %
	(170) Biotest	>>> 1	Negative	1,4 %
	(172) Immucor	>>> 7	Negative	9,6 %
	(173) Sanguin	>>> 4	Negative	5,5 %
	(174) IVT Imuno	>>> 1	Negative	1,4 %
	(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	>>> 35	Negative	38 %
	(50) Merck	>>> 1	Negative	1,1 %
	(64) Exbio Olomouc	>>> 2	Negative	2,2 %
	(80) DiaMed	>>> 8	Negative	8,7 %
	(159) Grifols	>>> 28	Negative	30 %
	(171) Diagast	>>> 1	Negative	1,1 %
	(172) Immucor	>>> 10	Negative	11 %
	(173) Sanguin	>>> 1	Negative	1,1 %
	(174) IVT Imuno	>>> 2	Negative	2,2 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	1,1 %
	(203) ANTITOXIN	>>> 1	Negative	1,1 %
	(999) another manufacturer	>>> 2	Negative	2,2 %
Total per sample: n = 92		Success: 100 %	-	-
E2 and S2	(14) Bio-Rad	>>> 34	Negative	37 %
		1	Positive	1,1 %
	(50) Merck	>>> 1	Negative	1,1 %
	(64) Exbio Olomouc	>>> 2	Negative	2,2 %
	(80) DiaMed	>>> 8	Negative	8,7 %
	(159) Grifols	>>> 28	Negative	30 %
	(171) Diagast	>>> 1	Negative	1,1 %
	(172) Immucor	>>> 10	Negative	11 %

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Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (173)	Sanguin	>>> 1	Negative	1,1 %
(174)	IVT Imuno	>>> 2	Negative	2,2 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	1,1 %
(203)	ANTITOXIN	>>> 1	Negative	1,1 %
(999)	another manufacturer	>>> 2	Negative	2,2 %
Total per sample: n = 92		Success: 99 %		
Total success: 99 %				
(719) Antigen e				
E1 and S1 (14)	Bio-Rad	>>> 35	Positive	38 %
(50)	Merck	>>> 1	Positive	1,1 %
(64)	Exbio Olomouc	>>> 2	Positive	2,2 %
(80)	DiaMed	>>> 8	Positive	8,7 %
(159)	Grifols	>>> 28	Positive	30 %
(171)	Diagast	>>> 1	Positive	1,1 %
(172)	Immucor	>>> 10	Positive	11 %
(173)	Sanguin	>>> 1	Positive	1,1 %
(174)	IVT Imuno	>>> 2	Positive	2,2 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	1,1 %
(203)	ANTITOXIN	>>> 1	Positive	1,1 %
(999)	another manufacturer	>>> 2	Positive	2,2 %
Total per sample: n = 92		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>> 35	Positive	38 %
(50)	Merck	>>> 1	Positive	1,1 %
(64)	Exbio Olomouc	>>> 2	Positive	2,2 %
(80)	DiaMed	>>> 8	Positive	8,7 %
(159)	Grifols	>>> 28	Positive	30 %
(171)	Diagast	>>> 1	Positive	1,1 %
(172)	Immucor	>>> 10	Positive	11 %
(173)	Sanguin	>>> 1	Positive	1,1 %
(174)	IVT Imuno	>>> 2	Positive	2,2 %
(183)	Immunodiagnostic Systems	>>> 1	Positive	1,1 %
(203)	ANTITOXIN	>>> 1	Positive	1,1 %
(999)	another manufacturer	>>> 2	Positive	2,2 %
Total per sample: n = 92		Success: 100 %		
Total success: 100 %				
(720) Antigen K				
E1 and S1 (14)	Bio-Rad	>>> 35	Negative	36 %
(50)	Merck	>>> 1	Negative	1,0 %
(64)	Exbio Olomouc	>>> 1	Negative	1,0 %
(80)	DiaMed	>>> 8	Negative	8,2 %
		1	Positive	1,0 %
(159)	Grifols	>>> 33	Negative	34 %
(171)	Diagast	>>> 1	Negative	1,0 %
(172)	Immucor	>>> 10	Negative	10 %
(173)	Sanguin	>>> 1	Negative	1,0 %
(174)	IVT Imuno	>>> 3	Negative	3,1 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	1,0 %
(203)	ANTITOXIN	>>> 1	Negative	1,0 %
(999)	another manufacturer	>>> 2	Negative	2,0 %
Total per sample: n = 98		Success: 99 %		
E2 and S2 (14)	Bio-Rad	>>> 35	Negative	36 %
(50)	Merck	>>> 1	Negative	1,0 %
(64)	Exbio Olomouc	>>> 1	Negative	1,0 %
(80)	DiaMed	>>> 9	Negative	9,2 %
(159)	Grifols	>>> 33	Negative	34 %
(171)	Diagast	>>> 1	Negative	1,0 %
(172)	Immucor	>>> 10	Negative	10 %
(173)	Sanguin	>>> 1	Negative	1,0 %
(174)	IVT Imuno	>>> 3	Negative	3,1 %
(183)	Immunodiagnostic Systems	>>> 1	Negative	1,0 %
(203)	ANTITOXIN	>>> 1	Negative	1,0 %
(999)	another manufacturer	>>> 2	Negative	2,0 %
Total per sample: n = 98		Success: 100 %		
Total success: 99 %				
(721) Antigen k				
E1 and S1 (14)	Bio-Rad	>>> 10	Positive	23 %
(64)	Exbio Olomouc	>>> 2	Positive	4,5 %

EQA round: IH3/21 - Blood Group Serology

Deadline: 17.09.2021

Test

Sample	Group	N	Result	N _{rel}
E1 and S1	(80) DiaMed	>>> 2	Positive	4,5 %
	(159) Grifols	>>> 12	Positive	27 %
	(172) Immucor	>>> 9	Positive	20 %
	(173) Sanguin	>>> 7	Positive	16 %
	(203) ANTITOXIN	>>> 1	Positive	2,3 %
	(999) another manufacturer	>>> 1	Positive	2,3 %
Total per sample: n = 44		Success: 100 %	-----	
E2 and S2	(14) Bio-Rad	>>> 10	Positive	23 %
	(64) Exbio Olomouc	>>> 2	Positive	4,5 %
	(80) DiaMed	>>> 2	Positive	4,5 %
	(159) Grifols	>>> 12	Positive	27 %
	(172) Immucor	>>> 9	Positive	20 %
	(173) Sanguin	>>> 7	Positive	16 %
	(203) ANTITOXIN	>>> 1	Positive	2,3 %
	(999) another manufacturer	>>> 1	Positive	2,3 %
Total per sample: n = 44		Success: 100 %	-----	
Total success: 100 %				

(722) Antigen M

E1 and S1	(14) Bio-Rad	>>> 13	Positive	28 %
	(64) Exbio Olomouc	>>> 1	Positive	2,2 %
	(80) DiaMed	>>> 5	Positive	11 %
	(159) Grifols	>>> 11	Positive	24 %
	(171) Diagast	>>> 1	Positive	2,2 %
	(172) Immucor	>>> 7	Positive	15 %
	(173) Sanguin	>>> 4	Positive	8,7 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	2,2 %
	(203) ANTITOXIN	>>> 3	Positive	6,5 %
Total per sample: n = 46		Success: 100 %	-----	
E2 and S2	(14) Bio-Rad	>>> 13	Positive	28 %
	(64) Exbio Olomouc	>>> 1	Positive	2,2 %
	(80) DiaMed	>>> 5	Positive	11 %
	(159) Grifols	>>> 11	Positive	24 %
	(171) Diagast	>>> 1	Positive	2,2 %
	(172) Immucor	>>> 7	Positive	15 %
	(173) Sanguin	>>> 4	Positive	8,7 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	2,2 %
	(203) ANTITOXIN	>>> 3	Positive	6,5 %
Total per sample: n = 46		Success: 100 %	-----	
Total success: 100 %				

(723) Antigen N

E1 and S1	(14) Bio-Rad	>>> 13	Positive	30 %
	(64) Exbio Olomouc	>>> 1	Positive	2,3 %
	(80) DiaMed	>>> 5	Positive	11 %
	(159) Grifols	>>> 11	Positive	25 %
	(171) Diagast	>>> 1	Positive	2,3 %
	(172) Immucor	>>> 1	Negative	2,3 %
		>>> 5	Positive	11 %
	(173) Sanguin	>>> 3	Positive	6,8 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	2,3 %
	(203) ANTITOXIN	>>> 3	Positive	6,8 %
Total per sample: n = 44		Success: 98 %	-----	
E2 and S2	(14) Bio-Rad	>>> 13	Positive	30 %
	(64) Exbio Olomouc	>>> 1	Positive	2,3 %
	(80) DiaMed	>>> 5	Positive	11 %
	(159) Grifols	>>> 11	Positive	25 %
	(171) Diagast	>>> 1	Positive	2,3 %
	(172) Immucor	>>> 6	Positive	14 %
	(173) Sanguin	>>> 3	Positive	6,8 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	2,3 %
	(203) ANTITOXIN	>>> 3	Positive	6,8 %
Total per sample: n = 44		Success: 100 %	-----	
Total success: 98 %				

(724) Antigen S

E1 and S1	(14) Bio-Rad	>>> 13	Negative	28 %
	(64) Exbio Olomouc	>>> 1	Negative	2,1 %
	(80) DiaMed	>>> 5	Negative	11 %
	(159) Grifols	>>> 13	Negative	28 %

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Test	Sample	Group	N	Result	N _{rel}	
E1 and S1	(172)	Immucor	>>>	7	Negative	15 %
		(173) Sanguin	>>>	4	Negative	8,5 %
		(203) ANTITOXIN	>>>	4	Negative	8,5 %
		Total per sample: n = 47		Success: 100 %	-	
E2 and S2	(14)	Bio-Rad	>>>	13	Negative	28 %
		(64) Exbio Olomouc	>>>	1	Negative	2,1 %
		(80) DiaMed	>>>	5	Negative	11 %
		(159) Grifols	>>>	13	Negative	28 %
		(172) Immucor	>>>	7	Negative	15 %
		(173) Sanguin	>>>	4	Negative	8,5 %
		(203) ANTITOXIN	>>>	4	Negative	8,5 %
Total per sample: n = 47		Success: 100 %	-			
Total success: 100 %						
(725) Antigen s						
E1 and S1	(14)	Bio-Rad	>>>	12	Positive	26 %
		(64) Exbio Olomouc	>>>	1	Positive	2,2 %
		(80) DiaMed	>>>	5	Positive	11 %
		(159) Grifols	>>>	13	Positive	28 %
		(172) Immucor	>>>	6	Positive	13 %
		(173) Sanguin	>>>	5	Positive	11 %
		(203) ANTITOXIN	>>>	3	Positive	6,5 %
		(999) another manufacturer	>>>	1	Positive	2,2 %
Total per sample: n = 46		Success: 100 %	-			
E2 and S2	(14)	Bio-Rad	>>>	12	Positive	26 %
		(64) Exbio Olomouc	>>>	1	Positive	2,2 %
		(80) DiaMed	>>>	5	Positive	11 %
		(159) Grifols	>>>	13	Positive	28 %
		(172) Immucor	>>>	6	Positive	13 %
		(173) Sanguin	>>>	5	Positive	11 %
		(203) ANTITOXIN	>>>	3	Positive	6,5 %
		(999) another manufacturer	>>>	1	Positive	2,2 %
Total per sample: n = 46		Success: 100 %	-			
Total success: 100 %						
(726) Antigen P1						
E1 and S1	(14)	Bio-Rad	>>>	10	Positive	31 %
		(64) Exbio Olomouc	>>>	1	Positive	3,1 %
		(80) DiaMed	>>>	2	Positive	6,3 %
		(159) Grifols	>>>	9	Positive	28 %
		(172) Immucor	>>>	3	Positive	9,4 %
		(173) Sanguin	>>>	4	Positive	13 %
		(174) IVT Imuno	>>>	1	Positive	3,1 %
		(183) Immunodiagnostic Systems	>>>	1	Positive	3,1 %
		(203) ANTITOXIN	>>>	1	Positive	3,1 %
		Total per sample: n = 32		Success: 100 %	-	
E2 and S2	(14)	Bio-Rad	>>>	10	Negative	31 %
		(64) Exbio Olomouc	>>>	1	Negative	3,1 %
		(80) DiaMed	>>>	2	Negative	6,3 %
		(159) Grifols	>>>	9	Negative	28 %
		(172) Immucor	>>>	3	Negative	9,4 %
		(173) Sanguin	>>>	4	Negative	13 %
		(174) IVT Imuno	>>>	1	Negative	3,1 %
		(183) Immunodiagnostic Systems	>>>	1	Negative	3,1 %
		(203) ANTITOXIN	>>>	1	Negative	3,1 %
Total per sample: n = 32		Success: 100 %	-			
Total success: 100 %						
(727) Antigen Fya						
E1 and S1	(14)	Bio-Rad	>>>	1	Negative	2,1 %
		(64) Exbio Olomouc	>>>	16	Positive	33 %
		(80) DiaMed	>>>	1	Positive	2,1 %
		(159) Grifols	>>>	4	Positive	8,3 %
		(172) Immucor	>>>	13	Positive	27 %
		(173) Sanguin	>>>	6	Positive	13 %
		(203) ANTITOXIN	>>>	5	Positive	10 %
Total per sample: n = 48		Success: 98 %	-			
E2 and S2	(14)	Bio-Rad	>>>	17	Positive	35 %
		(64) Exbio Olomouc	>>>	1	Positive	2,1 %

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Deadline: 17.09.2021

Test		N	Result	N _{rel}
Sample	Group			
E2 and S2 (80) DiaMed	>>>	4	Positive	8,3 %
(159) Grifols	>>>	13	Positive	27 %
(172) Immucor	>>>	6	Positive	13 %
(173) Sanguin	>>>	5	Positive	10 %
(203) ANTITOXIN	>>>	2	Positive	4,2 %
Total per sample: n = 48			Success: 100 %	
Total success: 98 %				
(728) Antigen Fyb				
E1 and S1 (14) Bio-Rad	>>>	17	Positive	35 %
(64) Exbio Olomouc	>>>	1	Positive	2,1 %
(80) DiaMed	>>>	4	Positive	8,3 %
(159) Grifols	>>>	13	Positive	27 %
(172) Immucor	>>>	6	Positive	13 %
(173) Sanguin	>>>	5	Positive	10 %
(203) ANTITOXIN	>>>	2	Positive	4,2 %
Total per sample: n = 48			Success: 100 %	
E2 and S2 (14) Bio-Rad	>>>	16	Negative	33 %
(64) Exbio Olomouc	>>>	1	Positive	2,1 %
(80) DiaMed	>>>	1	Negative	2,1 %
(159) Grifols	>>>	4	Negative	8,3 %
(172) Immucor	>>>	13	Negative	27 %
(173) Sanguin	>>>	6	Negative	13 %
(203) ANTITOXIN	>>>	5	Negative	10 %
(203) ANTITOXIN	>>>	2	Negative	4,2 %
Total per sample: n = 48			Success: 98 %	
Total success: 98 %				
(729) Antigen Jka				
E1 and S1 (0) not specified	>>>	1	Positive	2,0 %
(14) Bio-Rad	>>>	14	Positive	29 %
(64) Exbio Olomouc	>>>	2	Positive	4,1 %
(80) DiaMed	>>>	4	Positive	8,2 %
(159) Grifols	>>>	15	Positive	31 %
(172) Immucor	>>>	5	Positive	10 %
(173) Sanguin	>>>	6	Positive	12 %
(203) ANTITOXIN	>>>	2	Positive	4,1 %
Total per sample: n = 49			Success: 100 %	
E2 and S2 (0) not specified	>>>	1	Negative	2,0 %
(14) Bio-Rad	>>>	14	Negative	29 %
(64) Exbio Olomouc	>>>	2	Negative	4,1 %
(80) DiaMed	>>>	4	Negative	8,2 %
(159) Grifols	>>>	15	Negative	31 %
(172) Immucor	>>>	5	Negative	10 %
(173) Sanguin	>>>	6	Negative	12 %
(203) ANTITOXIN	>>>	2	Negative	4,1 %
Total per sample: n = 49			Success: 100 %	
Total success: 100 %				
(730) Antigen Jkb				
E1 and S1 (0) not specified	>>>	1	Negative	2,0 %
(14) Bio-Rad	>>>	13	Negative	27 %
(64) Exbio Olomouc	>>>	2	Negative	4,1 %
(80) DiaMed	>>>	4	Negative	8,2 %
(159) Grifols	>>>	15	Negative	31 %
(172) Immucor	>>>	7	Negative	14 %
(173) Sanguin	>>>	5	Negative	10 %
(203) ANTITOXIN	>>>	2	Negative	4,1 %
Total per sample: n = 49			Success: 100 %	
E2 and S2 (0) not specified	>>>	1	Positive	2,0 %
(14) Bio-Rad	>>>	13	Positive	27 %
(64) Exbio Olomouc	>>>	2	Positive	4,1 %
(80) DiaMed	>>>	4	Positive	8,2 %
(159) Grifols	>>>	15	Positive	31 %
(172) Immucor	>>>	7	Positive	14 %
(173) Sanguin	>>>	5	Positive	10 %
(203) ANTITOXIN	>>>	2	Positive	4,1 %
Total per sample: n = 49			Success: 100 %	
Total success: 100 %				

EQA round: IH3/21 - Blood Group Serology

Deadline: 17.09.2021

Test		N	Result	N _{rel}
Sample	Group			
(731) Antigen Lua				
E1 and S1	(0) not specified	>>> 1	Negative	3,0 %
	(14) Bio-Rad	>>> 10	Negative	30 %
	(64) Exbio Olomouc	>>> 1	Negative	3,0 %
	(159) Grifols	>>> 16	Negative	48 %
	(172) Immucor	>>> 2	Negative	6,1 %
	(173) Sanguin	>>> 2	Negative	6,1 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	3,0 %
Total per sample: n = 33		Success: 100 %	-	-
E2 and S2	(0) not specified	>>> 1	Negative	3,0 %
	(14) Bio-Rad	>>> 10	Negative	30 %
	(64) Exbio Olomouc	>>> 1	Negative	3,0 %
	(159) Grifols	>>> 16	Negative	48 %
	(172) Immucor	>>> 2	Negative	6,1 %
	(173) Sanguin	>>> 2	Negative	6,1 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	3,0 %
Total per sample: n = 33		Success: 100 %	-	-
Total success: 100 %				
(732) Antigen Lub				
E1 and S1	(14) Bio-Rad	>>> 9	Positive	28 %
	(64) Exbio Olomouc	>>> 1	Positive	3,1 %
	(159) Grifols	>>> 16	Positive	50 %
	(172) Immucor	>>> 2	Positive	6,3 %
	(173) Sanguin	>>> 2	Positive	6,3 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	3,1 %
	(999) another manufacturer	>>> 1	Positive	3,1 %
Total per sample: n = 32		Success: 100 %	-	-
E2 and S2	(14) Bio-Rad	>>> 9	Positive	28 %
	(64) Exbio Olomouc	>>> 1	Positive	3,1 %
	(159) Grifols	>>> 16	Positive	50 %
	(172) Immucor	>>> 2	Positive	6,3 %
	(173) Sanguin	>>> 2	Positive	6,3 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	3,1 %
	(999) another manufacturer	>>> 1	Positive	3,1 %
Total per sample: n = 32		Success: 100 %	-	-
Total success: 100 %				
(733) Antigen Lea				
E1 and S1	(14) Bio-Rad	>>> 11	Negative	31 %
	(64) Exbio Olomouc	>>> 1	Negative	2,9 %
	(80) DiaMed	>>> 1	Negative	2,9 %
	(159) Grifols	>>> 12	Negative	34 %
	(172) Immucor	>>> 4	Negative	11 %
	(173) Sanguin	>>> 2	Negative	5,7 %
	(174) IVT Imuno	>>> 1	Negative	2,9 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	2,9 %
	(203) ANTITOXIN	>>> 1	Negative	2,9 %
			1 Positive	2,9 %
Total per sample: n = 35		Success: 97 %	-	-
E2 and S2	(14) Bio-Rad	>>> 11	Negative	31 %
	(64) Exbio Olomouc	>>> 1	Negative	2,9 %
	(80) DiaMed	>>> 1	Negative	2,9 %
	(159) Grifols	>>> 12	Negative	34 %
	(172) Immucor	>>> 4	Negative	11 %
	(173) Sanguin	>>> 2	Negative	5,7 %
	(174) IVT Imuno	>>> 1	Negative	2,9 %
	(183) Immunodiagnostic Systems	>>> 1	Negative	2,9 %
	(203) ANTITOXIN	>>> 2	Negative	5,7 %
Total per sample: n = 35		Success: 100 %	-	-
Total success: 97 %				
(734) Antigen Leb				
E1 and S1	(14) Bio-Rad	>>> 11	Positive	31 %
	(64) Exbio Olomouc	>>> 1	Positive	2,9 %
	(80) DiaMed	>>> 1	Positive	2,9 %
	(159) Grifols	>>> 2	Negative	5,7 %
		>>> 10	Positive	29 %
	(172) Immucor	>>> 4	Positive	11 %
	(173) Sanguin	>>> 2	Positive	5,7 %
	(174) IVT Imuno	>>> 1	Positive	2,9 %

EQA round: IH3/21 - Blood Group Serology

Test		N	Result	N _{rel}
Sample	Group			
E1 and S1 (183)	Immunodiagnostic Systems	>>> 1	Positive	2,9 %
	(203) ANTITOXIN	>>> 1	Negative	2,9 %
		>>> 1	Positive	2,9 %
	Total per sample: n = 35		Success: 91 %	
E2 and S2 (14)	Bio-Rad	>>> 11	Positive	31 %
	(64) Exbio Olomouc	>>> 1	Positive	2,9 %
	(80) DiaMed	>>> 1	Positive	2,9 %
	(159) Grifols	>>> 12	Positive	34 %
	(172) Immucor	>>> 4	Positive	11 %
	(173) Sanguin	>>> 2	Positive	5,7 %
	(174) IVT Imuno	>>> 1	Positive	2,9 %
	(183) Immunodiagnostic Systems	>>> 1	Positive	2,9 %
	(203) ANTITOXIN	>>> 2	Positive	5,7 %
	Total per sample: n = 35		Success: 100 %	
Total success: 91 %				
(737) Direct Coombs (antiglobulin) test				
E1 and S1 (14)	Bio-Rad	>>> 60	Negative	45 %
	(40) Ortho Clinical Diagnostics	>>> 4	Negative	3,0 %
	(64) Exbio Olomouc	>>> 2	Negative	1,5 %
	(80) DiaMed	>>> 21	Negative	16 %
	(159) Grifols	>>> 45	Negative	34 %
	(172) Immucor	>>> 2	Negative	1,5 %
Total per sample: n = 134		Success: 100 %		
E2 and S2 (14)	Bio-Rad	>>> 60	Negative	45 %
	(40) Ortho Clinical Diagnostics	>>> 4	Negative	3,0 %
	(64) Exbio Olomouc	>>> 2	Negative	1,5 %
	(80) DiaMed	>>> 21	Negative	16 %
	(159) Grifols	>>> 45	Negative	34 %
	(172) Immucor	>>> 2	Negative	1,5 %
Total per sample: n = 134		Success: 100 %		
Total success: 100 %				
(741) Antibody screening (IAT, blood donor)				
E1 and S1 (6)	APR	>>> 1	Positive	1,1 %
	(14) Bio-Rad	>>> 39	Positive	42 %
	(64) Exbio Olomouc	>>> 1	Positive	1,1 %
	(80) DiaMed	>>> 15	Positive	16 %
	(159) Grifols	>>> 23	Positive	25 %
	(171) Diagast	>>> 2	Positive	2,2 %
	(172) Immucor	>>> 11	Positive	12 %
	Total per sample: n = 92		Success: 100 %	
E2 and S2 (6)	APR	>>> 1	Positive	1,1 %
	(14) Bio-Rad	>>> 4	Negative	4,3 %
		>>> 35	Positive	38 %
	(64) Exbio Olomouc	>>> 1	Positive	1,1 %
	(80) DiaMed	>>> 1	Negative	1,1 %
		>>> 14	Positive	15 %
	(159) Grifols	>>> 1	Negative	1,1 %
		>>> 22	Positive	24 %
	(171) Diagast	>>> 2	Positive	2,2 %
	(172) Immucor	>>> 1	Negative	1,1 %
	>>> 10	Positive	11 %	
Total per sample: n = 92		Success: 92 %		
Total success: 92 %				
(743) Antibody screening (IAT, recipient)				
E1 and S1 (6)	APR	>>> 1	Positive	0,67 %
	(14) Bio-Rad	>>> 64	Positive	43 %
	(40) Ortho Clinical Diagnostics	>>> 4	Positive	2,7 %
	(80) DiaMed	>>> 21	Positive	14 %
	(159) Grifols	>>> 53	Positive	36 %
	(172) Immucor	>>> 6	Positive	4,0 %
Total per sample: n = 149		Success: 100 %		
E2 and S2 (6)	APR	>>> 1	Positive	0,67 %
	(14) Bio-Rad	>>> 64	Positive	43 %
	(40) Ortho Clinical Diagnostics	>>> 4	Positive	2,7 %
	(80) DiaMed	>>> 21	Positive	14 %
	(159) Grifols	>>> 1	Negative	0,67 %
	>>> 52	Positive	35 %	

EQA round: IH3/21 - Blood Group Serology

Test	Sample	Group	N	Result	N _{rel}
	E2 and S2 (172)	Immucor	>>> 6	Positive	4,0 %
	Total per sample: n = 149		Success: 99 %		
	Total success: 99 %				
(745) Antibody screening (IAT, pregnant)					
	E1 and S1 (6)	APR	>>> 1	Positive	0,79 %
	(14)	Bio-Rad	>>> 49	Positive	39 %
	(40)	Ortho Clinical Diagnostics	>>> 4	Positive	3,2 %
	(64)	Exbio Olomouc	>>> 1	Positive	0,79 %
	(80)	DiaMed	>>> 18	Positive	14 %
	(159)	Grifols	>>> 47	Positive	37 %
	(172)	Immucor	>>> 6	Positive	4,8 %
	Total per sample: n = 126		Success: 100 %		
	E2 and S2 (6)	APR	>>> 1	Positive	0,79 %
	(14)	Bio-Rad	>>> 49	Positive	39 %
	(40)	Ortho Clinical Diagnostics	>>> 4	Positive	3,2 %
	(64)	Exbio Olomouc	>>> 1	Positive	0,79 %
	(80)	DiaMed	>>> 18	Positive	14 %
	(159)	Grifols	>>> 1	Negative	0,79 %
			>>> 46	Positive	37 %
	(172)	Immucor	>>> 6	Positive	4,8 %
	Total per sample: n = 126		Success: 99 %		
	Total success: 99 %				
(747) Antibody screening (enzyme test)					
	E1 and S1 (14)	Bio-Rad	>>> 43	Positive	43 %
	(40)	Ortho Clinical Diagnostics	>>> 4	Positive	4,0 %
	(80)	DiaMed	>>> 1	Negative	0,99 %
			>>> 14	Positive	14 %
	(159)	Grifols	>>> 37	Positive	37 %
	(172)	Immucor	>>> 2	Positive	2,0 %
	Total per sample: n = 101		Success: 99 %		
	E2 and S2 (14)	Bio-Rad	>>> 39	Negative	39 %
			>>> 4	Positive	4,0 %
	(40)	Ortho Clinical Diagnostics	>>> 4	Negative	4,0 %
	(80)	DiaMed	>>> 12	Negative	12 %
			>>> 3	Positive	3,0 %
	(159)	Grifols	>>> 34	Negative	34 %
			>>> 3	Positive	3,0 %
	(172)	Immucor	>>> 2	Negative	2,0 %
	Total per sample: n = 101		Success: 90 %		
	Total success: 90 %				
(750) Antibody identification					
	E1 and S1 (0)	not specified	2	anti-D	4,1 %
			>>> 45	anti-D; anti-Jkb	92 %
			> 1	anti-D; anti-Jkb; anti-Kpa	2,0 %
			1	anti-H	2,0 %
	Total per sample: n = 49		Success: 94 %		
	E2 and S2 (0)	not specified	>>> 49	anti-S	100 %
	Total per sample: n = 49		Success: 100 %		
	Total success: 94 %				
(752) Antibody titre, Sample 1: 1st antibody					
	E1 and S1 (0)	not specified	± 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 (0)	not specified	± 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 (0)	not specified	± 1	titre 0 (not measurable)	2,4 %
			± 8	titre 1	19 %
			± 20	titre 2	48 %

Test

Sample	Group	N	Result	N _{rel}
E2 and S2 (0) not specified		± 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	(0) not specified	>>> 117	Negative test	95 %
		> 6	Positive test	4,9 %
----- Total per sample: n = 123 ----- Success: 100 % -----				
S2	(0) not specified	>>> 123	Negative test	100 %
----- Total per sample: n = 123 ----- Success: 100 % -----				
Total success: 100 %				

(762) Serve transfusion product (segment K1)

S1	(0) not specified	± 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	(0) not specified	± 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	(0) not specified	>>> 119	Negative test	97 %
		> 4	Positive test	3,3 %
----- Total per sample: n = 123 ----- Success: 100 % -----				
S2	(0) not specified	>>> 123	Negative test	100 %
----- Total per sample: n = 123 ----- Success: 100 % -----				
Total success: 100 %				

(765) Serve transfusion product (segment K2)

S1	(0) not specified	± 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-----				
S2	(0) not specified	± 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-----				