

## Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of the groups n = 5

## EQA round: HKG3/21 - Haemocoagulation Tests

Deadline: 17.09.2021

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of the participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability								
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
<b>(170) APTT - ratio</b>					148						135	132	98%		
Samples and groups	[-]														
<b>Sample A</b>		1,16	0,11	9,2	148						135	134	99%		
(38) IL; (253) IL APPT-SP		0,948	0,036	3,8	19	0	CVPG	0,948	0,020	20%	0,758	1,14	19		
(63) Sysmex; (240) Siemens (Dade) Actin FS		1,23	0,049	4,0	39	0	CVPG	1,23	0,018	20%	0,984	1,48	39		
(63) Sysmex; (241) Siemens (Dade) Actin FSL		1,13	0,037	3,3	10	0	CVPG	1,13	0,020	20%	0,904	1,36	10		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL		1,21	0,051	4,2	31	0	CVPG	1,2	0,023	20%	0,96	1,44	31		
(94) Stago; (260) Stago PTT Automate		1,04	0,03	2,9	9	0	CVPG	1,04	0,037	20%	0,832	1,25	9		
(94) Stago; (265) Stago Cephascreen		1,12	0,015	1,3	5	0	CVPG	1,12	0,042	20%	0,896	1,35	5		
Other					35	0							22		
													1x 27/269, 3x 38/256, 1x 46/999, 1x 63/246, 3x 63/257, 1x 63/266, 1x 63/269, 1x 63/999, 1x 94/242, 1x 94/259, 4x 149/240, 3x 149/241, 4x 149/242, 1x 149/257, 4x 175/257, 2x 177/246		
<b>Sample B</b>		2,40	0,45	19	148						135	133	99%		
(38) IL; (253) IL APPT-SP		1,87	0,092	4,9	19	0	CVPG	1,87	0,052	20%	1,49	2,25	19		
(63) Sysmex; (240) Siemens (Dade) Actin FS		2,24	0,15	6,6	39	0	CVPG	2,26	0,059	20%	1,8	2,72	39		
(63) Sysmex; (241) Siemens (Dade) Actin FSL		2,34	0,11	4,5	10	0	CVPG	2,37	0,10	20%	1,89	2,85	10		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL		2,94	0,17	5,9	31	0	CVPG	2,92	0,072	20%	2,33	3,51	31		
(94) Stago; (260) Stago PTT Automate		2,27	0,074	3,3	9	0	CVPG	2,27	0,092	20%	1,81	2,73	9		
(94) Stago; (265) Stago Cephascreen		2,10	0,022	1,1	5	0	CVPG	2,1	0,063	20%	1,68	2,52	5		
Other					35	0							22		
													1x 27/269, 3x 38/256, 1x 46/999, 1x 63/246, 3x 63/257, 1x 63/266, 1x 63/269, 1x 63/999, 1x 94/242, 1x 94/259, 4x 149/240, 3x 149/241, 4x 149/242, 1x 149/257, 4x 175/257, 2x 177/246		
<b>(171) Fibrinogen</b>					122						122	119	98%		
Samples and groups	[g/L]														
<b>Sample A</b>		2,75	0,18	6,6	122		CVP	2,75	0,040	25%	2,06	3,44	122	122	100%
(38) IL		2,63	0,23	8,6	19	0							19		
(63) Sysmex		2,76	0,17	6,0	71	0							71		
(94) Stago		2,85	0,18	6,3	14	0							14		
(149) Siemens (Dade, BN, Dimension)		2,67	0,045	1,7	9	0							9		
Other					9	0							9		
														1x 46, 4x 175, 3x 177, 1x 179	
<b>Sample B</b>		1,35	0,11	8,1	122		CVP	1,35	0,024	25%	1,01	1,69	122	119	98%
(38) IL		1,37	0,12	8,8	19	0							19		
(63) Sysmex		1,34	0,10	7,7	71	0							71		
(94) Stago		1,35	0,11	7,8	14	0							14		
(149) Siemens (Dade, BN, Dimension)		1,37	0,082	6,0	9	0							9		
Other					9	0							9		
														1x 46, 4x 175, 3x 177, 1x 179	
<b>(177) Antithrombin</b>					89						89	82	92%		
Samples and groups	[%]														
<b>Sample A</b>		94,5	4,7	5,0	89		CVP	94,5	1,2	18%	77,4	112	89	87	98%
(38) IL		92,5	5,6	6,1	17	0							17		
(63) Sysmex		93,9	3,5	3,7	52	0							52		
(94) Stago		97,5	2,2	2,3	7	0							7		
(149) Siemens (Dade, BN, Dimension)		92,3	7,1	7,7	5	0							5		
Other					8	0							8		
														1x 46, 1x 60, 3x 175, 2x 177, 1x 179	
<b>Sample B</b>		43,2	3,9	9,1	89		CVP	43,2	1,0	25%	32,4	54	89	82	92%
(38) IL		39,5	3,8	9,5	17	0							17		
(63) Sysmex		43,0	2,4	5,7	52	0							52		
(94) Stago		46,0	3,0	6,4	7	0							7		
(149) Siemens (Dade, BN, Dimension)		42,0	2,7	6,5	5	0							5		
Other					8	0							8		
														1x 46, 1x 60, 3x 175, 2x 177, 1x 179	
<b>(172) Prothrombin test (INR)</b>					156						156	148	95%		
Samples and groups	[-]														
<b>Sample A</b>		1,04	0,053	5,1	156		CVP	1,04	0,010	20%	0,832	1,25	156	156	100%
(38) IL		1,04	0,051	4,8	22	0							22		
(63) Sysmex		1,04	0,05	4,8	88	0							88		
(94) Stago		1,04	0,063	6,0	16	0							16		
(149) Siemens (Dade, BN, Dimension)		1,03	0,057	5,5	19	0							19		
Other					11	0							11		
														2x 27, 1x 46, 4x 175, 3x 177, 1x 179	
<b>Sample B</b>		2,60	0,22	8,4	156		CVP	2,6	0,043	20%	2,08	3,12	156	148	95%

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Test	[unit]						Comparability							
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(172) Prothrombin test (INR)</b>					156							156	148	95%
Samples and groups	[-]													
<b>Sample B</b>		2,60	0,22	8,4	156	CVP	2,60	0,043	20%	2,08	3,12	156	148	95%
(38) IL		2,70	0,21	7,9	22	0						22		
(63) Sysmex		2,55	0,15	6,0	88	0						88		
(94) Stago		2,84	0,18	6,4	16	0						16		
(149) Siemens (Dade, BN, Dimension)		2,65	0,28	11	19	0						19		
Other					11	0						11		
							2x 27, 1x 46, 4x 175, 3x 177, 1x 179							
<b>(179) Prothrombin test (ratio)</b>					155							155	150	97%
Samples and groups	[-]													
<b>Sample A</b>		1,03	0,051	4,9	155	CVP	1,03	0,0099	20%	0,824	1,24	155	155	100%
(38) IL		1,04	0,047	4,5	22	0						22		
(63) Sysmex		1,03	0,05	4,8	88	0						88		
(94) Stago		1,04	0,058	5,6	16	0						16		
(149) Siemens (Dade, BN, Dimension)		1,02	0,053	5,2	18	0						18		
Other					11	0						11		
							2x 27, 1x 46, 4x 175, 2x 177, 2x 179							
<b>Sample B</b>		2,51	0,20	8,0	155	CVP	2,51	0,039	20%	2	3,02	155	150	97%
(38) IL		2,66	0,22	8,1	22	0						22		
(63) Sysmex		2,49	0,16	6,4	88	0						88		
(94) Stago		2,62	0,21	8,0	16	0						16		
(149) Siemens (Dade, BN, Dimension)		2,44	0,23	9,5	18	0						18		
Other					11	0						11		
							2x 27, 1x 46, 4x 175, 2x 177, 2x 179							
<b>(173) Thrombin time (time)</b>					74							59	57	97%
Samples and groups	[s]													
<b>Sample A</b>		18,3	1,7	9,4	74							59	59	100%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		19,9	0,96	4,9	6	0	CVPG	19,9	1,3	20%	15,9	23,9	6	
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		17,8	1,0	5,6	39	0	CVPG	17,8	0,39	20%	14,2	21,4	39	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		17,1	0,96	5,7	8	0	CVPG	17,1	0,73	20%	13,6	20,6	8	
Other					21	0						6		
							1x 1/149/63, 1x 1/149/149, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 5/149/149, 1x 6/175/175, 1x 7/38/38, 2x 7/175/63, 2x 7/175/175, 1x 8/177/63, 2x 8/177/177, 1x 99/46/46							
<b>Sample B</b>		16,7	3,9	23	74							59	57	97%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		18,1	0,30	1,6	6	0	CVPG	18,1	0,41	20%	14,4	21,8	6	
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		14,0	0,83	5,9	39	0	CVPG	14	0,32	20%	11,2	16,8	39	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		23,4	2,0	8,6	8	0	CVPG	23,4	1,5	20%	18,7	28,1	8	
Other					21	0						6		
							1x 1/149/63, 1x 1/149/149, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 5/149/149, 1x 6/175/175, 1x 7/38/38, 2x 7/175/63, 2x 7/175/175, 1x 8/177/63, 2x 8/177/177, 1x 99/46/46							
<b>(174) Thrombin time (ratio)</b>					62							49	47	96%
Samples and groups	[-]													
<b>Sample A</b>		1,13	0,083	7,3	62							49	48	98%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		1,11	0,074	6,7	6	0	CVPG	1,11	0,10	20%	0,888	1,34	6	
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		1,13	0,08	7,1	30	0	CVPG	1,13	0,036	20%	0,904	1,36	30	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		1,15	0,084	7,3	8	0	CVPG	1,15	0,064	20%	0,92	1,38	8	
Other					18	0						5		
							1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 6/51/38, 1x 6/175/175, 2x 7/175/63, 2x 7/175/175, 1x 8/177/63, 2x 8/177/177, 1x 99/46/46							
<b>Sample B</b>		1,02	0,19	19	62							49	47	96%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		1,01	0,052	5,2	6	0	CVPG	1,01	0,073	20%	0,808	1,22	6	
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		0,894	0,079	8,8	30	0	CVPG	0,894	0,035	20%	0,715	1,08	30	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		1,58	0,11	7,1	8	0	CVPG	1,58	0,085	20%	1,26	1,9	8	
Other					18	0						5		
							1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 6/51/38, 1x 6/175/175, 2x 7/175/63, 2x 7/175/175, 1x 8/177/63, 2x 8/177/177, 1x 99/46/46							

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End of report

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