

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of the groups n = 5

EQA round: HKG1/21 - Haemocoagulation Tests

Deadline: 02.04.2021

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 _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]						Comparability								
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(170) APTT - ratio					196							180	178	99%	
— Samples and groups —	[-]														
Sample A		1,63	0,31	19	196							180	178	99%	
(38) IL; (253) IL APTT-SP		1,33	0,076	5,7	21	0	CVPG	1,33	0,036	20%	1,06	1,6	21		
(63) Sysmex; (240) Siemens (Dade) Actin FS		1,55	0,074	4,7	54	0	CVPG	1,55	0,023	20%	1,24	1,86	54		
(63) Sysmex; (241) Siemens (Dade) Actin FSL		1,32	0,072	5,5	12	0	CVPG	1,33	0,049	20%	1,06	1,6	12		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL		2,07	0,11	5,1	43	0	CVPG	2,07	0,036	20%	1,65	2,49	43		
(94) Stago; (260) Stago PTT Automate		1,45	0,046	3,1	13	0	CVPG	1,45	0,031	20%	1,16	1,74	13		
(149) Siemens (Dade, BN, Dimension); (240) Siemens (Dade) Actin FS		1,56	0,089	5,7	10	0	CVPG	1,55	0,023	20%	1,24	1,86	10		
(177) MINDRAY; (246) Mindray APTT Reagent		1,66	0,052	3,1	5	0	CVPG	1,71	0,13	20%	1,36	2,06	5		
Other					38	0							22		
														1x 27/245, 1x 27/269, 3x 38/256, 1x 38/266, 1x 46/999, 1x 51/242, 2x 51/253, 2x 63/246, 4x 63/257, 1x 63/266, 1x 94/242, 2x 94/259, 4x 94/265, 1x 94/266, 3x 149/241, 4x 149/242...	
Sample B		1,01	0,058	5,7	196							180	179	99%	
(38) IL; (253) IL APTT-SP		1,03	0,047	4,6	21	0	CVPG	1,02	0,024	20%	0,816	1,23	21		
(63) Sysmex; (240) Siemens (Dade) Actin FS		0,978	0,037	3,8	54	0	CVPG	0,975	0,012	20%	0,78	1,17	54		
(63) Sysmex; (241) Siemens (Dade) Actin FSL		0,975	0,051	5,2	12	0	CVPG	0,983	0,033	20%	0,786	1,18	12		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL		1,06	0,042	3,9	43	0	CVPG	1,05	0,015	20%	0,84	1,26	43		
(94) Stago; (260) Stago PTT Automate		1,00	0,04	4,0	13	0	CVPG	1,0	0,027	20%	0,8	1,2	13		
(149) Siemens (Dade, BN, Dimension); (240) Siemens (Dade) Actin FS		0,966	0,043	4,5	10	0	CVPG	0,975	0,012	20%	0,78	1,17	10		
(177) MINDRAY; (246) Mindray APTT Reagent		1,06	0,037	3,5	5	0	CVPG	1,06	0,036	20%	0,848	1,28	5		
Other					38	0							22		
														1x 27/245, 1x 27/269, 3x 38/256, 1x 38/266, 1x 46/999, 1x 51/242, 2x 51/253, 2x 63/246, 4x 63/257, 1x 63/266, 1x 94/242, 2x 94/259, 4x 94/265, 1x 94/266, 3x 149/241, 4x 149/242...	
(171) Fibrinogen					156							156	151	97%	
— Samples and groups —	[g/L]														
Sample A		1,79	0,22	12	156		CVP	1,79	0,043	25%	1,34	2,24	156	152	97%
(38) IL		1,83	0,14	7,6	21	0							21		
(63) Sysmex		1,71	0,17	10	96	0							96		
(94) Stago		2,04	0,13	6,3	19	0							19		
(149) Siemens (Dade, BN, Dimension)		1,75	0,22	13	9	0							9		
(177) MINDRAY		2,11	0,17	8,1	5	0							5		
Other					6	0							6		
														1x 46, 4x 175, 1x 179	
Sample B		2,92	0,20	7,0	156		CVP	2,92	0,040	25%	2,19	3,65	156	155	99%
(38) IL		2,90	0,25	8,6	21	0							21		
(63) Sysmex		2,91	0,19	6,5	96	0							96		
(94) Stago		3,01	0,16	5,2	19	0							19		
(149) Siemens (Dade, BN, Dimension)		2,80	0,21	7,4	9	0							9		
(177) MINDRAY		3,18	0,096	3,0	5	0							5		
Other					6	0							6		
														1x 46, 4x 175, 1x 179	
(177) Antithrombin					118							118	112	95%	
— Samples and groups —	[%]														
Sample A		34,2	5,0	15	118		CVP	34,2	1,1	30%	23,9	44,5	118	112	95%
(38) IL		26,1	4,2	16	20	0							20		
(63) Sysmex		35,1	3,0	8,6	70	0							70		
(94) Stago		34,6	3,5	10	13	0							13		
(149) Siemens (Dade, BN, Dimension)		37,5	4,8	13	5	0							5		
Other					10	0							10		
														1x 46, 1x 60, 3x 175, 4x 177, 1x 179	
Sample B		97,9	5,3	5,4	118		CVP	97,9	1,2	18%	80,2	116	118	117	99%
(38) IL		102	5,7	5,5	20	0							20		
(63) Sysmex		96,4	4,4	4,5	70	0							70		
(94) Stago		98,5	5,2	5,3	13	0							13		
(149) Siemens (Dade, BN, Dimension)		95,5	3,6	3,8	5	0							5		
Other					10	0							10		
														1x 46, 1x 60, 3x 175, 4x 177, 1x 179	
(172) Prothrombin test (INR)					205							205	198	97%	
— Samples and groups —	[-]														
Sample A		1,97	0,14	6,9	205		CVP	1,97	0,023	20%	1,57	2,37	205	200	98%

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of the groups n = 5

EQA round: HKG1/21 - Haemocoagulation Tests

Deadline: 02.04.2021

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}	
							AV	U _{AV}	D _{max}	LL	UL					
(172) Prothrombin test (INR)					205								205	198	97%	
Samples and groups	[-]															
Sample A		1,97	0,14	6,9	205		CVP	1,97	0,023	20%	1,57	2,37	205	200	98%	
(27) Behnk Electronic		2,08	0,10	4,9	5	0							5			
(38) IL		1,97	0,11	5,4	25	0							25			
(63) Sysmex		1,95	0,12	6,2	116	0							116			
(94) Stago		1,95	0,13	6,4	21	0							21			
(149) Siemens (Dade, BN, Dimension)		2,10	0,15	7,1	24	0							24			
(177) MINDRAY		1,76	0,16	9,3	5	0							5			
Other					9	0							9			
								1x 46, 2x 51, 1x 80, 4x 175, 1x 179								
Sample B		0,972	0,051	5,2	205		CVP	0,972	0,087	20%	0,777	1,17	205	202	99%	
(27) Behnk Electronic		0,983	0,003	0,38	5	0							5			
(38) IL		1,00	0,046	4,5	25	0							25			
(63) Sysmex		0,969	0,049	5,0	116	0							116			
(94) Stago		0,948	0,066	6,9	21	0							21			
(149) Siemens (Dade, BN, Dimension)		0,967	0,057	5,9	24	0							24			
(177) MINDRAY		0,955	0,037	3,9	5	0							5			
Other					9	0							9			
								1x 46, 2x 51, 1x 80, 4x 175, 1x 179								
(179) Prothrombin test (ratio)					204								204	201	99%	
Samples and groups	[-]															
Sample A		1,92	0,14	7,2	204		CVP	1,92	0,024	20%	1,53	2,31	204	202	99%	
(27) Behnk Electronic		1,98	0,11	5,6	5	0							5			
(38) IL		1,95	0,10	5,2	25	0							25			
(63) Sysmex		1,93	0,14	7,2	115	0							115			
(94) Stago		1,84	0,11	6,0	21	0							21			
(149) Siemens (Dade, BN, Dimension)		2,01	0,13	6,3	23	0							23			
(177) MINDRAY		1,73	0,16	9,0	5	0							5			
Other					10	0							10			
								1x 46, 2x 51, 1x 80, 4x 175, 2x 179								
Sample B		0,971	0,049	5,1	204		CVP	0,971	0,085	20%	0,776	1,17	204	203	100%	
(27) Behnk Electronic		0,983	0,004	0,45	5	0							5			
(38) IL		1,00	0,045	4,5	25	0							25			
(63) Sysmex		0,969	0,047	4,8	115	0							115			
(94) Stago		0,950	0,065	6,8	21	0							21			
(149) Siemens (Dade, BN, Dimension)		0,963	0,058	6,0	23	0							23			
(177) MINDRAY		0,955	0,037	3,9	5	0							5			
Other					10	0							10			
								1x 46, 2x 51, 1x 80, 4x 175, 2x 179								
(173) Thrombin time (time)					97								79	74	94%	
Samples and groups	[s]															
Sample A		17,0	2,6	16	97								79	74	94%	
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		17,7	0,52	2,9	11	0	CVPG	17,7	0,38	20%	14,1	21,3	11			
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		15,3	1,1	6,9	44	0	CVPG	15,3	0,36	20%	12,2	18,4	44			
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		19,4	0,53	2,7	11	0	CVPG	19,4	0,39	20%	15,5	23,3	11			
Other					31	0							13			
								4x 1/149/63, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 4/159/94, 1x 5/149/51, 2x 5/149/149, 4x 5/179/63, 1x 6/175/175, 1x 7/38/38, 2x 7/175/63...					79	79	100%	
Sample B		14,6	1,4	9,4	97								79	79	100%	
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		15,2	0,49	3,2	11	0	CVPG	15,2	0,36	20%	12,1	18,3	11			
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		13,7	0,75	5,5	44	0	CVPG	13,8	0,27	20%	11	16,6	44			
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		15,2	0,53	3,5	11	0	CVPG	15,2	0,39	20%	12,1	18,3	11			
Other					31	0							13			
								4x 1/149/63, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 4/159/94, 1x 5/149/149, 2x 5/149/149, 4x 5/179/63, 1x 6/175/175, 1x 7/38/38, 2x 7/175/63...					79	79	100%	
(174) Thrombin time (ratio)					82								67	64	96%	
Samples and groups	[-]															
Sample A		1,07	0,18	17	82								67	64	96%	
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		1,01	0,056	5,5	11	0	CVPG	1,01	0,041	20%	0,808	1,22	11			
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		0,962	0,093	9,7	34	0	CVPG	0,961	0,037	20%	0,768	1,16	34			
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		1,36	0,091	6,6	11	0	CVPG	1,36	0,067	20%	1,08	1,64	11			
Other					26	0							11			
								1x 1/149/63, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 4/159/94, 1x 5/149/149, 2x 5/149/149, 4x 5/179/63, 1x 6/175/175, 2x 7/175/63, 1x 7/38/38, 2x 7/175/63...					67	67	100%	
Sample B		0,910	0,097	11	82								67	67	100%	
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago; (94) Stago		0,872	0,058	6,6	11	0	CVPG	0,872	0,043	20%	0,697	1,05	11			

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of the groups n = 5

EQA round: HKG1/21 - Haemocoagulation Tests

Deadline: 02.04.2021

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(174) Thrombin time (ratio)					82								67	64	96%
Samples and groups	[-]														
Sample B		0,910	0,097	11	82								67	67	100%
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension); (63) Sysmex		0,860	0,064	7,5	34	0	CVPG	0,86	0,026	20%	0,688	1,04		34	
(6) Thrombin units: 3 IU/mL (NIH); (38) IL; (38) IL		1,06	0,061	5,7	11	0	CVPG	1,06	0,045	20%	0,848	1,28		11	
Other					26	0								11	
								1x 1/149/63, 1x 1/175/63, 2x 2/193/94, 3x 3/149/63, 1x 3/149/94, 1x 3/149/149, 1x 4/159/94, 1x 5/149/149, 4x 5/179/63, 1x 6/51/38, 1x 6/175/175, 2x 7/175/63, 1x							

st_kn_p

End of report

Printed: 15.04.2021