Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

EQA round: HKG2/18 - Haemocoagulation Tests

Dead line: 15.06.2018

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 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]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability: AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(170) APTT - ratio [-]				281							271	258	95%
Samples and groups													
Sample A	1,58	0,24	15	281							271	262	97%
(38) IL; (253) IL APTT-SP	1,25	0,08	6,4	25	0	CVPG 1,25	0,038	20%	1	1,5	25		
(38) IL; (256) IL SynthASil	1,71	0,21	12	7	0	CVPG 1,72	0,23	20%	1,37	2,07	7		
(63) Sysmex; (240) Siemens (Dade) Actin FS	1,58	0,12	7,7	70	0	CVPG 1,58	0,034	20%	1,26	1,9	70		
(63) Sysmex; (241) Siemens (Dade) Actin FSL	1,41	0,099	7,0	18	0	CVPG 1,42	0,051	20%	1,13	1,71	18		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL	1,96	0,22	11	41	0	CVPG 1,95	0,084	20%	1,56	2,34	41		
(63) Sysmex; (257) Diagon Dia-PTT-Liquid	1,72	0,13	7,5	12	0	CVPG 1,73	0,088	20%	1,38	2,08	12		
(63) Sysmex; (269) Diagon DIA-PTT	1,53	0,30	20	8	0	CVPG 1,58	0,14	20%	1,26	1,9	8		
(94) Stago; (260) Stago PTT Automate	1,48	0,058	3,9	20	0	CVPG 1,48	0,030	20%	1,18	1,78	20		
(94) Stago; (265) Stago Cephascreen	1,42	0,054	3,8	12	0	CVPG 1,42	0,031	20%	1,13	1,71	12		
(149) Siemens (Dade); (240) Siemens (Dade) Actin FS	1,59	0,18	11	11	0	CVPG 1,58	0,034	20%	1,26	1,9	11		
(149) Siemens (Dade); (241) Siemens (Dade) Actin FSL	1,46	0,18	12	7	0	CVPG 1,42	0,051	20%	1,13	1,71	7		
(149) Siemens (Dade); (242) Siemens (Dade) Pathromtin SL	1,91	0,34	18	7	0	CVPG 1,95	0,084	20%	1,56	2,34	7		
Other				43	0	1x 5/240, 2x 12/256, 1x 27/242, 3x 27/260, 1x 27/265, 1x 27/269, 1x 27/271, 1x 38/266, 1x 46/266, 1x 51/253, 4x 51/270, 1x 63/248, 3x 63/266, 1x 94/242, 1x 94/253, 2x 94/259...					33		
Sample B	1,76	0,25	14	281							271	263	97%
(38) IL; (253) IL APTT-SP	1,40	0,065	4,6	25	0	CVPG 1,41	0,035	20%	1,12	1,7	25		
(38) IL; (256) IL SynthASil	1,73	0,067	3,9	7	0	CVPG 1,76	0,049	20%	1,4	2,12	7		
(63) Sysmex; (240) Siemens (Dade) Actin FS	1,75	0,13	7,7	70	0	CVPG 1,76	0,038	20%	1,4	2,12	70		
(63) Sysmex; (241) Siemens (Dade) Actin FSL	1,59	0,10	6,4	18	0	CVPG 1,6	0,054	20%	1,28	1,92	18		
(63) Sysmex; (242) Siemens (Dade) Pathromtin SL	2,10	0,18	8,6	41	0	CVPG 2,09	0,065	20%	1,67	2,51	41		
(63) Sysmex; (257) Diagon Dia-PTT-Liquid	1,97	0,13	6,7	12	0	CVPG 1,99	0,093	20%	1,59	2,39	12		
(63) Sysmex; (269) Diagon DIA-PTT	1,68	0,30	18	8	0	CVPG 1,73	0,19	20%	1,38	2,08	8		
(94) Stago; (260) Stago PTT Automate	1,68	0,057	3,4	20	0	CVPG 1,67	0,030	20%	1,33	2,01	20		
(94) Stago; (265) Stago Cephascreen	1,57	0,043	2,7	12	0	CVPG 1,58	0,026	20%	1,26	1,9	12		
(149) Siemens (Dade); (240) Siemens (Dade) Actin FS	1,81	0,27	15	11	0	CVPG 1,76	0,038	20%	1,4	2,12	11		
(149) Siemens (Dade); (241) Siemens (Dade) Actin FSL	1,67	0,14	8,5	7	0	CVPG 1,6	0,054	20%	1,28	1,92	7		
(149) Siemens (Dade); (242) Siemens (Dade) Pathromtin SL	2,00	0,16	7,8	7	0	CVPG 2,09	0,065	20%	1,67	2,51	7		
Other				43	0	1x 5/240, 2x 12/256, 1x 27/242, 3x 27/260, 1x 27/265, 1x 27/269, 1x 27/271, 1x 38/266, 1x 46/266, 1x 51/253, 4x 51/270, 1x 63/248, 3x 63/266, 1x 94/242, 1x 94/253, 2x 94/259...					33		
(171) Fibrinogen [g/L]				216							216	212	98%
Samples and groups													
Sample A	2,19	0,22	10	216		CVP 2,19	0,037	25%	1,64	2,74	216	213	99%
(38) IL	2,33	0,16	7,0	23	0						23		
(51) Technoclone	2,27	0,052	2,3	5	0						5		
(63) Sysmex	2,12	0,17	7,9	131	0						131		
(94) Stago	2,43	0,15	6,2	28	0						28		
(149) Siemens (Dade)	2,07	0,21	10	18	0						18		
Other				11	0	2x 12, 2x 27, 4x 175, 3x 999					11		
Sample B	1,82	0,17	9,4	216		CVP 1,82	0,028	25%	1,36	2,28	216	214	99%
(38) IL	1,87	0,18	9,7	23	0						23		
(51) Technoclone	1,99	0,13	6,3	5	0						5		
(63) Sysmex	1,77	0,15	8,3	131	0						131		
(94) Stago	1,96	0,16	8,3	28	0						28		
(149) Siemens (Dade)	1,77	0,17	9,4	18	0						18		
Other				11	0	2x 12, 2x 27, 4x 175, 3x 999					11		
(177) Antithrombin [%]				150							150	142	95%
Samples and groups													
Sample A	82,3	5,2	6,3	150		CVP 82,3	1,0	18%	67,4	97,2	150	147	98%
(38) IL	80,1	3,5	4,4	17	0						17		
(63) Sysmex	82,5	4,8	5,8	92	0						92		
(94) Stago	83,9	6,2	7,4	18	0						18		
(149) Siemens (Dade)	83,7	9,7	12	12	0						12		

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

EQA round: HKG2/18 - Haemocoagulation Tests

Dead line: 15.06.2018

Test [unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(177) Antithrombin [%]				150								150	142	95%
Samples and groups														
Sample A	82,3	5,2	6,3	150		CVP	82,3	1,0	18%	67,4	97,2	150	147	98%
Other				11	0	2x 12, 2x 51, 1x 58, 1x 60, 3x 175, 1x 193, 1x 999						11		
Sample B	71,2	5,2	7,3	150		CVP	71,2	1,0	18%	58,3	84,1	150	143	95%
(38) IL	66,2	3,4	5,1	17	0							17		
(63) Sysmex	72,1	5,0	7,0	92	0							92		
(94) Stago	71,9	5,1	7,2	18	0							18		
(149) Siemens (Dade)	73,3	6,4	8,7	12	0							12		
Other				11	0	2x 12, 2x 51, 1x 58, 1x 60, 3x 175, 1x 193, 1x 999						11		
(172) Prothrombin test (INR) [-]				287								287	271	94%
Samples and groups														
Sample A	1,18	0,097	8,3	287								287	272	95%
(3) Coagulometr (trom. rabbit br.); (27) Behnk Electronic	1,34	0,096	7,2	9	0	CVPG	1,3	0,043	20%	1,04	1,56	9		
(3) Coagulometr (trom. rabbit br.); (51) Technoclone	1,11	0,022	2,0	5	0	CVPG	1,3	0,043	20%	1,04	1,56	5		
(3) Coagulometr (trom. rabbit br.); (63) Sysmex	1,34	0,22	17	19	0	CVPG	1,3	0,043	20%	1,04	1,56	19		
(3) Coagulometr (trom. rabbit br.); (94) Stago	1,28	0,072	5,6	29	0	CVPG	1,3	0,043	20%	1,04	1,56	29		
(3) Coagulometr (trom. rabbit br.); (999) another manufacturer	1,60	0,60	38	6	0	CVPG	1,3	0,043	20%	1,04	1,56	6		
(38) IL	1,07	0,032	3,0	28	0	CVP	1,14	0,011	20%	0,912	1,37	28		
(63) Sysmex	1,15	0,055	4,8	130	0	CVP	1,14	0,011	20%	0,912	1,37	130		
(94) Stago	1,14	0,056	4,9	13	0	CVP	1,14	0,011	20%	0,912	1,37	13		
(149) Siemens (Dade)	1,17	0,08	6,9	31	0	CVP	1,14	0,011	20%	0,912	1,37	31		
Other				17	0	1x 3/38, 3x 3/46, 1x 3/125, 1x 3/149, 3x 3/175, 1x 5, 2x 12, 1x 27, 2x 175, 2x 999						17		
Sample B	1,31	0,12	9,2	287								287	278	97%
(3) Coagulometr (trom. rabbit br.); (27) Behnk Electronic	1,50	0,096	6,4	9	0	CVPG	1,43	0,038	20%	1,14	1,72	9		
(3) Coagulometr (trom. rabbit br.); (51) Technoclone	1,23	0,03	2,4	5	0	CVPG	1,43	0,038	20%	1,14	1,72	5		
(3) Coagulometr (trom. rabbit br.); (63) Sysmex	1,40	0,20	14	19	0	CVPG	1,43	0,038	20%	1,14	1,72	19		
(3) Coagulometr (trom. rabbit br.); (94) Stago	1,46	0,079	5,4	29	0	CVPG	1,43	0,038	20%	1,14	1,72	29		
(3) Coagulometr (trom. rabbit br.); (999) another manufacturer	1,67	0,44	27	6	0	CVPG	1,43	0,038	20%	1,14	1,72	6		
(38) IL	1,18	0,045	3,8	28	0	CVP	1,27	0,014	20%	1,01	1,53	28		
(63) Sysmex	1,28	0,07	5,5	130	0	CVP	1,27	0,014	20%	1,01	1,53	130		
(94) Stago	1,24	0,04	3,3	13	0	CVP	1,27	0,014	20%	1,01	1,53	13		
(149) Siemens (Dade)	1,31	0,095	7,3	31	0	CVP	1,27	0,014	20%	1,01	1,53	31		
Other				17	0	1x 3/38, 3x 3/46, 1x 3/125, 1x 3/149, 3x 3/175, 1x 5, 2x 12, 1x 27, 2x 175, 2x 999						17		
(179) Prothrombin test (ratio) [-]				284								284	272	96%
Samples and groups														
Sample A	1,16	0,079	6,8	284								284	272	96%
(3) Coagulometr (trom. rabbit br.); (27) Behnk Electronic	1,29	0,15	12	8	0	CVPG	1,25	0,037	20%	1	1,5	8		
(3) Coagulometr (trom. rabbit br.); (51) Technoclone	1,11	0,03	2,7	5	0	CVPG	1,25	0,037	20%	1	1,5	5		
(3) Coagulometr (trom. rabbit br.); (63) Sysmex	1,30	0,19	15	17	0	CVPG	1,25	0,037	20%	1	1,5	17		
(3) Coagulometr (trom. rabbit br.); (94) Stago	1,22	0,058	4,7	30	0	CVPG	1,25	0,037	20%	1	1,5	30		
(3) Coagulometr (trom. rabbit br.); (999) another manufacturer	1,60	0,64	40	6	0	CVPG	1,25	0,037	20%	1	1,5	6		
(38) IL	1,07	0,03	2,8	28	0	CVP	1,14	0,011	20%	0,912	1,37	28		
(63) Sysmex	1,15	0,056	4,8	130	0	CVP	1,14	0,011	20%	0,912	1,37	130		
(94) Stago	1,15	0,069	6,0	13	0	CVP	1,14	0,011	20%	0,912	1,37	13		
(149) Siemens (Dade)	1,15	0,071	6,1	30	0	CVP	1,14	0,011	20%	0,912	1,37	30		
Other				17	0	1x 3/38, 3x 3/46, 1x 3/125, 1x 3/149, 4x 3/175, 1x 5, 2x 12, 1x 27, 1x 175, 2x 999						17		
Sample B	1,28	0,091	7,1	284								284	278	98%
(3) Coagulometr (trom. rabbit br.); (27) Behnk Electronic	1,39	0,12	8,8	8	0	CVPG	1,35	0,029	20%	1,08	1,62	8		
(3) Coagulometr (trom. rabbit br.); (51) Technoclone	1,25	0,022	1,8	5	0	CVPG	1,35	0,029	20%	1,08	1,62	5		
(3) Coagulometr (trom. rabbit br.); (63) Sysmex	1,34	0,16	12	17	0	CVPG	1,35	0,029	20%	1,08	1,62	17		
(3) Coagulometr (trom. rabbit br.); (94) Stago	1,35	0,068	5,0	30	0	CVPG	1,35	0,029	20%	1,08	1,62	30		
(3) Coagulometr (trom. rabbit br.); (999) another manufacturer	1,66	0,50	30	6	0	CVPG	1,35	0,029	20%	1,08	1,62	6		
(38) IL	1,18	0,044	3,7	28	0	CVP	1,26	0,014	20%	1	1,52	28		
(63) Sysmex	1,27	0,07	5,5	130	0	CVP	1,26	0,014	20%	1	1,52	130		
(94) Stago	1,25	0,035	2,8	13	0	CVP	1,26	0,014	20%	1	1,52	13		
(149) Siemens (Dade)	1,29	0,08	6,2	30	0	CVP	1,26	0,014	20%	1	1,52	30		

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

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Dead line: 15.06.2018

Test	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(179) Prothrombin test (ratio)	[-]				284							284	272	96%
Samples and groups														
Sample B		1,28	0,091	7,1	284							284	278	98%
Other					17	0						17		
							1x 3/38, 3x 3/46, 1x 3/125, 1x 3/149, 4x 3/175, 1x 5, 2x 12, 1x 27, 1x 175, 2x 999							

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End of report

Printed: 27.06.2018