

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

EQA round: HKG2/20 - Haemocoagulation Tests

Deadline: 19.06.2020

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]	Comparability												
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(170) APTT - ratio					290							284	274	96%
Samples and groups	[-]													
Sample A		1,03	0,086	8,3	290							284	283	100%
(0) Not specified; (240) Siemens (Dade) Actin FS		1,00	0,043	4,3	88	0	CVPG	1 0,011	20%	0,8	1,2	88		
(0) Not specified; (241) Siemens (Dade) Actin FSL		1,02	0,03	3,0	26	0	CVPG	1,02 0,015	20%	0,816	1,23	26		
(0) Not specified; (242) Siemens (Dade) Pathromtin SL		1,13	0,053	4,7	63	0	CVPG	1,13 0,016	20%	0,904	1,36	63		
(0) Not specified; (253) IL APTT-SP		0,890	0,04	4,5	27	0	CVPG	0,89 0,019	20%	0,712	1,07	27		
(0) Not specified; (256) IL SynthASil		1,13	0,051	4,5	10	0	CVPG	1,13 0,039	20%	0,904	1,36	10		
(0) Not specified; (257) Diagon Dia-PTT-Liquid		1,07	0,088	8,3	19	0	CVPG	1,07 0,050	20%	0,856	1,29	19		
(0) Not specified; (260) Stago PTT Automate		0,991	0,047	4,7	17	0	CVPG	0,991 0,028	20%	0,792	1,19	17		
(0) Not specified; (265) Stago Cephascreen		1,04	0,047	4,5	17	0	CVPG	1,04 0,028	20%	0,832	1,25	17		
(0) Not specified; (266) Hyphen BioMed CEPHEN		1,01	0,041	4,0	11	0	CVPG	1,01 0,030	20%	0,808	1,22	11		
(0) Not specified; (269) Diagon DIA-PTT		0,890	0,12	13	6	0	CVPG	0,89 0,17	20%	0,712	1,07	6		
Other					6	0						0		
								3x 0/248, 1x 0/259, 1x 0/270, 1x 0/999						
Sample B		1,60	0,23	15	290							284	275	97%
(0) Not specified; (240) Siemens (Dade) Actin FS		1,49	0,11	7,4	88	0	CVPG	1,49 0,029	20%	1,19	1,79	88		
(0) Not specified; (241) Siemens (Dade) Actin FSL		1,63	0,11	6,8	26	0	CVPG	1,63 0,053	20%	1,3	1,96	26		
(0) Not specified; (242) Siemens (Dade) Pathromtin SL		1,97	0,13	6,5	63	0	CVPG	1,97 0,039	20%	1,57	2,37	63		
(0) Not specified; (253) IL APTT-SP		1,38	0,056	4,1	27	0	CVPG	1,38 0,026	20%	1,1	1,66	27		
(0) Not specified; (256) IL SynthASil		1,42	0,063	4,4	10	0	CVPG	1,42 0,049	20%	1,13	1,71	10		
(0) Not specified; (257) Diagon Dia-PTT-Liquid		1,54	0,17	11	19	0	CVPG	1,54 0,095	20%	1,23	1,85	19		
(0) Not specified; (260) Stago PTT Automate		1,60	0,13	7,8	17	0	CVPG	1,6 0,075	20%	1,28	1,92	17		
(0) Not specified; (265) Stago Cephascreen		1,58	0,11	6,7	17	0	CVPG	1,58 0,063	20%	1,26	1,9	17		
(0) Not specified; (266) Hyphen BioMed CEPHEN		1,54	0,067	4,4	11	0	CVPG	1,54 0,050	20%	1,23	1,85	11		
(0) Not specified; (269) Diagon DIA-PTT		1,43	0,12	8,1	6	0	CVPG	1,43 0,16	20%	1,14	1,72	6		
Other					6	0						0		
								3x 0/248, 1x 0/259, 1x 0/270, 1x 0/999						
(171) Fibrinogen					222							222	210	95%
Samples and groups	[g/L]													
Sample A		2,78	0,19	6,7	222		CVP	2,78 0,031	25%	2,08	3,48	222	220	99%
(1) Coagulometer		2,78	0,19	6,7	220	0						220		
Other					2	0						2		
								2x 3						
Sample B		1,14	0,094	8,3	222		CVP	1,14 0,016	25%	0,855	1,43	222	212	95%
(1) Coagulometer		1,14	0,092	8,1	220	0						220		
Other					2	0						2		
								2x 3						
(177) Antithrombin					156							156	150	96%
Samples and groups	[%]													
Sample A		93,4	5,0	5,3	156		CVP	93,4 0,98	18%	76,5	111	156	156	100%
(1) Coagulometer		96,5	5,1	5,3	9	0						9		
(4) Chromogenous substrat		93,3	4,8	5,1	147	0						147		
Sample B		38,7	4,2	11	156		CVP	38,7 0,82	25%	29	48,4	156	150	96%
(1) Coagulometer		42,6	5,3	12	9	0						9		
(4) Chromogenous substrat		38,5	3,9	10	147	0						147		
(172) Prothrombin test (INR)					296							296	281	95%
Samples and groups	[-]													
Sample A		1,03	0,054	5,3	296		CVP	1,03 ,0077	20%	0,824	1,24	296	294	99%
(1) Coagulometr (trom. human plac.)		1,02	0,049	4,8	173	0						173		
(2) Coagulometr (trom. human rec.)		1,02	0,05	4,9	55	0						55		
(3) Coagulometr (trom. rabbit br.)		1,06	0,065	6,1	68	0						68		
Sample B		1,67	0,16	9,6	296							296	282	95%
(1) Coagulometr (trom. human plac.)		1,60	0,10	6,2	173	0	CVP	1,62 0,019	20%	1,29	1,95	173		
(2) Coagulometr (trom. human rec.)		1,71	0,13	7,5	55	0	CVP	1,62 0,019	20%	1,29	1,95	55		

Summary statistics - quantitative results

(Groups: measurement principle)

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EQA round: HKG2/20 - Haemocoagulation Tests

Deadline: 19.06.2020

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)					296								296	281	95%
Samples and groups	[-]														
Sample B		1,67	0,16	9,6	296								296	282	95%
(3) Coagulometr (trom. rabbit br.)		1,87	0,21	11	68	0	CVPG	1,87	0,064	20%	1,49	2,25	68		
(179) Prothrombin test (ratio)					296								296	285	96%
Samples and groups	[-]														
Sample A		1,03	0,053	5,1	296		CVP	1,03	0,075	20%	0,824	1,24	296	296	100%
(1) Coagulometr (trom. human plac.)		1,02	0,048	4,7	176	0							176		
(2) Coagulometr (trom. human rec.)		1,02	0,056	5,5	58	0							58		
(3) Coagulometr (trom. rabbit br.)		1,05	0,059	5,6	62	0							62		
Sample B		1,63	0,15	9,0	296		CVP	1,63	0,021	20%	1,3	1,96	296	285	96%
(1) Coagulometr (trom. human plac.)		1,56	0,093	6,0	176	0							176		
(2) Coagulometr (trom. human rec.)		1,71	0,14	8,3	58	0							58		
(3) Coagulometr (trom. rabbit br.)		1,76	0,14	8,2	62	0							62		
(173) Thrombin time (time)					131								103	103	100%
Samples and groups	[s]														
Sample A		15,3	1,5	9,7	131								103	103	100%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago		15,8	0,37	2,3	11	0	CVPG	15,8	0,27	20%	12,6	19	11		
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		14,5	0,54	3,7	60	0	CVPG	14,5	0,17	20%	11,6	17,4	60		
(5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens		14,7	1,1	7,6	8	0	CVPG	14,7	0,85	20%	11,7	17,7	8		
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		16,1	0,43	2,7	17	0	CVPG	16,1	0,25	20%	12,8	19,4	17		
(7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON		20,5	1,5	7,2	7	0	CVPG	20,5	1,4	20%	16,4	24,6	7		
Other					28	0							0		
								1x 1/63, 1x 1/126, 4x 1/149, 4x 1/175, 2x 1/179, 1x 2/94, 1x 2/193, 1x 2/999, 4x 3/149, 1x 4/159, 1x 6/149, 1x 6/998, 2x 7/38, 2x 99/38, 1x 99/46, 1x 99/100					103	103	100%
Sample B		18,1	4,4	25	131								103	103	100%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago		16,9	0,49	2,9	11	0	CVPG	16,9	0,36	20%	13,5	20,3	11		
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		15,5	0,77	5,0	60	0	CVPG	15,5	0,24	20%	12,4	18,6	60		
(5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens		15,9	1,4	8,9	8	0	CVPG	15,9	1,1	20%	12,7	19,1	8		
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		25,2	1,1	4,4	17	0	CVPG	25,2	0,66	20%	20,1	30,3	17		
(7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON		23,7	2,9	12	7	0	CVPG	23,7	2,8	20%	18,9	28,5	7		
Other					28	1							0		
								1x 1/63, 1x 1/126, 4x 1/149, 4x 1/175, 2x 1/179, 1x 2/94, 1x 2/193, 1x 2/999, 4x 3/149, 1x 4/159, 1x 6/149, 1x 6/998, 2x 7/38, 2x 99/38, 1x 99/46, 1x 99/100					103	103	100%
(174) Thrombin time (ratio)					109								90	86	96%
Samples and groups	[-]														
Sample A		0,971	0,093	9,6	109								90	88	98%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago		0,930	0,042	4,5	11	0	CVPG	0,93	0,031	20%	0,744	1,12	11		
(3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		1,02	0,074	7,3	5	0	CVPG	1,02	0,21	20%	0,816	1,23	5		
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		0,925	0,046	5,0	46	0	CVPG	0,925	0,017	20%	0,74	1,11	46		
(5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens		0,895	0,052	5,8	6	0	CVPG	0,895	0,073	20%	0,716	1,08	6		
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,11	0,068	6,1	15	0	CVPG	1,11	0,043	20%	0,888	1,34	15		
(7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON		1,02	0,052	5,1	7	0	CVPG	1,02	0,050	20%	0,816	1,23	7		
Other					19	0							0		
								1x 1/126, 1x 1/149, 4x 1/175, 1x 2/94, 1x 2/193, 1x 2/999, 1x 4/159, 1x 6/51, 1x 6/149, 1x 6/998, 2x 7/38, 2x 99/38, 1x 99/46, 1x 99/100					90	88	98%
Sample B		1,09	0,18	16	109								90	88	98%
(3) Thrombin units: 1,5 IU/mL (NIH); (94) Stago		0,994	0,062	6,3	11	0	CVPG	0,994	0,046	20%	0,795	1,2	11		
(3) Thrombin units: 1,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		1,10	0,052	4,7	5	0	CVPG	1,1	0,15	20%	0,88	1,32	5		
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (BN, Dimension)		0,985	0,047	4,7	46	0	CVPG	0,985	0,017	20%	0,788	1,19	46		
(5) Thrombin units: 2,5 IU/mL (NIH); (179) Siemens		0,955	0,052	5,4	6	0	CVPG	0,955	0,073	20%	0,764	1,15	6		
(6) Thrombin units: 3 IU/mL (NIH); (38) IL		1,75	0,11	6,4	15	0	CVPG	1,75	0,070	20%	1,4	2,1	15		
(7) Thrombin units: 5 IU/mL (NIH); (175) DIAGON		1,17	0,056	4,7	7	0	CVPG	1,17	0,054	20%	0,936	1,41	7		
Other					19	0							0		
								1x 1/126, 1x 1/149, 4x 1/175, 1x 2/94, 1x 2/193, 1x 2/999, 1x 4/159, 1x 6/51, 1x 6/149, 1x 6/998, 2x 7/38, 2x 99/38, 1x 99/46, 1x 99/100					90	88	98%