

EQA round: HKG2/24 - Haemocoagulation Tests

Deadline: 14.6.2024

Setup: Slovakia; minimal size of the groups n = 5

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	CVPG = consensus of the participants' groups	UL = upper limit
N _{tot} = total number of the results	U _{AV} = expanded uncertainty of the assigned value (k = 2)	N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]
							AV	U _{AV}	D _{max}	LL	UL			
(177) Antithrombin	[%]				39							39	33	85
Sample A												39	35	90
All results		40,2	3,5	8,8	39	0	CVP	39,1	0,66	25%	29,3	48,9	39	
Sample B												39	37	95
All results		99,1	5,1	5,1	39	1	CVP	99,1	0,87	18%	81,2	117	39	
(170) APTT - ratio	[-]				57							55	52	95
Sample A		1,74	0,41	24	57							55	53	96
(240) Siemens (Dade) Actin FS		1,52	0,1	6,6	30	0	CVPG	1,5	0,03	20%	1,2	1,8	30	
(242) Siemens (Dade) Pathromtin SL		1,99	0,059	3	5	0	CVPG	1,98	0,033	20%	1,58	2,38	5	
(246) Mindray APTT Reagent		2,69	0,45	17	12	0	CVPG	2,69	0,32	20%	2,15	3,23	12	
(256) IL SynthASil		1,4	0,067	4,8	7	0	CVPG	1,4	0,029	20%	1,12	1,68	7	
Other					3	0							1	
														1x 241, 1x 257, 1x 269
Sample B		1,12	0,33	29	57							55	53	96
(240) Siemens (Dade) Actin FS		0,898	0,027	3	30	1	CVPG	0,899	0,009	20%	0,719	1,08	30	
(242) Siemens (Dade) Pathromtin SL		1,17	0,045	3,8	5	0	CVPG	1,2	0,013	20%	0,96	1,44	5	
(246) Mindray APTT Reagent		1,83	0,25	13	12	0	CVPG	1,83	0,17	20%	1,46	2,2	12	
(256) IL SynthASil		1,14	0,045	3,9	7	0	CVPG	1,15	0,02	20%	0,92	1,38	7	
Other					3	0							1	
														1x 241, 1x 257, 1x 269
(171) Fibrinogen	[g/L]				56							56	54	96
Sample A												56	55	98
All results		1,03	0,1	10	56	0	CVP	1,04	0,015	25%	0,78	1,3	56	
Sample B												56	55	98
All results		2,9	0,19	6,5	56	1	CVP	2,87	0,032	25%	2,15	3,59	56	
(172) Prothrombin test (INR)	[-]				59							59	54	92
Sample A		1,55	0,17	11	59							59	55	93
All results (without individual groups)		1,55	0,17	11	51	0	CVP	1,57	0,02	20%	1,25	1,89	51	
(3) Coagulometr (trom. rabbit br.)		1,62	0,39	24	8	0	CVPG	1,84	0,067	20%	1,47	2,21	8	
Sample B												59	58	98
All results		0,988	0,038	3,8	59	1	CVP	0,994	0,007	20%	0,795	1,2	59	
(179) Prothrombin test (ratio)	[-]				59							59	55	93
Sample A		1,51	0,16	11	59							59	56	95
All results (without individual groups)		1,51	0,16	11	52	0	CVP	1,54	0,021	20%	1,23	1,85	52	
(3) Coagulometr (trom. rabbit br.)		1,53	0,24	16	7	0	CVPG	1,8	0,055	20%	1,44	2,16	7	
Sample B												59	58	98
All results		0,981	0,047	4,8	59	1	CVP	0,994	0,007	20%	0,795	1,2	59	
(173) Thrombin time (time)	[s]				38							35	33	94
Sample A		18,9	5	26	38							35	34	97
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,7	0,92	5,8	22	0	CVPG	15,9	0,23	15%	13,5	18,3	22	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		25,1	1	4,1	6	0	CVPG	25,8	0,66	15%	21,9	29,7	6	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		23,9	1,7	7,1	6	0	CVPG	23,9	2,4	15%	20,3	27,5	6	
Other					4	0							1	
														1x 1/149, 1x 2/149, 1x 3/149, 1x 7/175
Sample B		15,3	1,5	9,8	38							35	33	94
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		14,9	0,98	6,6	22	1	CVPG	15	0,19	15%	12,7	17,3	22	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		16,8	0,3	1,8	6	0	CVPG	16,7	0,29	15%	14,1	19,3	6	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		14,2	1,2	8,4	6	0	CVPG	14,2	1,7	15%	12	16,4	6	
Other					4	0							1	
														1x 1/149, 1x 2/149, 1x 3/149, 1x 7/175
(174) Thrombin time (ratio)	[-]				33							31	28	90
Sample A		1,19	0,38	32	33							31	30	97
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,945	0,062	6,5	18	0	CVPG	0,952	0,02	20%	0,761	1,15	18	
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		1,81	0,27	15	6	0	CVPG	1,68	0,045	20%	1,34	2,02	6	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		1,53	0,15	9,7	6	0	CVPG	1,53	0,21	20%	1,22	1,84	6	
Other					3	0							1	
														1x 2/149, 1x 3/149, 1x 7/175

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Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
Sample B		0,926	0,1	11	33							31	29	94	
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,881	0,053	6	18	1	CVPG	0,9	0,017	20%	0,72	1,08	18		
(6) Thrombin units: 3 IU/mL (NIH); (38) Werfen (IL)		1,2	0,13	11	6	0	CVPG	1,09	0,029	20%	0,872	1,31	6		
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,91	0,074	8,1	6	0	CVPG	0,91	0,1	20%	0,728	1,1	6		
Other					3	0							1		
															1x 2/149, 1x 3/149, 1x 7/175