

EQA round: HKG1/25 - Haemocoagulation Tests

Deadline: 28.3.2025

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	[%]				36							36	35	97
Sample A												36	36	100
All results		92,5	4,5	4,9	36	0	CVP	92,9	0,87	18%	76,1	110	36	
Sample B												36	35	97
All results		41,7	2,9	7	36	0	CVP	41,4	0,65	25%	31	51,8	36	
(170) APTT - ratio	[-]				49							48	47	98
Sample A		1,26	0,54	43	49							48	48	100
(240) Siemens (Dade) Actin FS		0,92	0,035	3,8	23	0	CVPG	0,917	0,012	20%	0,733	1,11	23	
(242) Siemens (Dade) Pathromtin SL		1,07	0,076	7,1	8	0	CVPG	1,11	0,014	20%	0,888	1,34	8	
(246) Mindray APTT Reagent		2,03	0,12	6	13	0	CVPG	2,03	0,083	20%	1,62	2,44	13	
Other					5	0							4	
								1x 241, 3x 256, 1x 257						
Sample B		1,92	0,67	35	49							48	47	98
(240) Siemens (Dade) Actin FS		1,48	0,12	8,3	23	0	CVPG	1,47	0,044	20%	1,17	1,77	23	
(242) Siemens (Dade) Pathromtin SL		1,9	0,12	6,3	8	0	CVPG	1,92	0,037	20%	1,53	2,31	8	
(246) Mindray APTT Reagent		2,84	0,19	6,7	13	0	CVPG	2,84	0,13	20%	2,27	3,41	13	
Other					5	0							4	
								1x 241, 3x 256, 1x 257						
(171) Fibrinogen	[g/L]				50							50	50	100
Sample A												50	50	100
All results		2,68	0,18	6,6	50	0	CVP	2,71	0,035	25%	2,03	3,39	50	
Sample B												50	50	100
All results		1,07	0,082	7,6	50	0	CVP	1,09	0,02	25%	0,817	1,37	50	
(172) Prothrombin test (INR)	[-]				50							50	45	90
Sample A												50	49	98
All results		0,982	0,045	4,6	50	1	CVP	1,01	0,009	20%	0,808	1,22	50	
Sample B		1,5	0,18	12	50							50	46	92
All results (without individual groups)		1,5	0,18	12	49	0	CVP	1,6	0,021	20%	1,28	1,92	49	
Other					1	0							1	
								1x 3						
(179) Prothrombin test (ratio)	[-]				49							49	45	92
Sample A												49	49	100
All results		0,975	0,042	4,3	49	0	CVP	1	0,008	20%	0,8	1,2	49	
Sample B		1,47	0,15	10	49							49	45	92
All results (without individual groups)		1,46	0,15	10	48	0	CVP	1,56	0,021	20%	1,24	1,88	48	
Other					1	0							1	
								1x 3						
(173) Thrombin time (time)	[s]				34							28	27	96
Sample A		15,4	1	6,6	34							28	28	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,7	0,6	3,8	17	0	CVPG	15,5	0,18	15%	13,1	17,9	17	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		15,1	1,5	9,8	9	0	CVPG	15,1	1,8	15%	12,8	17,4	9	
Other					8	0							2	
								2x 1/149, 1x 1/177, 1x 3/149, 2x 5/179, 1x 6/38, 1x 6/177						
Sample B		18,8	4,9	26	34							28	27	96
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		15,8	0,76	4,8	17	0	CVPG	15,6	0,23	15%	13,2	18	17	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		23,7	1,8	7,6	9	0	CVPG	23,7	2,2	15%	20,1	27,3	9	
Other					8	0							2	
								2x 1/149, 1x 1/177, 1x 3/149, 2x 5/179, 1x 6/38, 1x 6/177						
(174) Thrombin time (ratio)	[-]				27							24	24	100
Sample A		0,903	0,084	9,3	27							24	24	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,868	0,05	5,8	13	0	CVPG	0,88	0,019	20%	0,704	1,06	13	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,98	0,015	1,5	9	0	CVPG	0,98	0,018	20%	0,784	1,18	9	
Other					5	0							2	
								1x 1/149, 1x 3/149, 2x 5/179, 1x 6/38						
Sample B		1,16	0,42	36	27							24	24	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,892	0,072	8	13	0	CVPG	0,898	0,023	20%	0,718	1,08	13	

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							AV	U _{AV}	D _{max}	LL	UL				
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177)		1,59	0,03	1,9	9	0	CVPG	1,59	0,037	20%	1,27	1,91	9		
Mindray															
Other					5	0							2		
							1x 1/149, 1x 3/149, 2x 5/179, 1x 6/38								