

EQA round: HKG3/24 - Haemocoagulation Tests

Deadline: 13.9.2024

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	[%]				25							25	23	92
Sample A												25	25	100
All results		102	4,2	4,1	25	0	CVP	101	1,2	18%	82,8	120	25	
Sample B		36,6	4,7	13	25							25	23	92
All results (without individual groups)		37,5	3,8	10	22	0	CVP	35,8	0,82	25%	26,8	44,8	22	
Other					3	0							3	
							3x 38							
(170) APTT - ratio	[-]				36							34	33	97
Sample A		0,969	0,047	4,9	36							34	34	100
(240) Siemens (Dade) Actin FS		0,966	0,044	4,6	18	0	CVPG	0,96	0,012	20%	0,768	1,16	18	
(242) Siemens (Dade) Pathromtin SL		0,995	0,037	3,7	5	0	CVPG	1,03	0,013	20%	0,824	1,24	5	
(246) Mindray APTT Reagent		0,995	0,037	3,7	7	0	CVPG	0,995	0,036	20%	0,796	1,2	7	
Other					6	0							4	
							1x 241, 3x 256, 2x 257							
Sample B		1,65	0,26	16	36							34	33	97
(240) Siemens (Dade) Actin FS		1,54	0,09	5,8	18	0	CVPG	1,53	0,026	20%	1,22	1,84	18	
(242) Siemens (Dade) Pathromtin SL		2,08	0,12	5,7	5	1	CVPG	2,22	0,041	20%	1,77	2,67	5	
(246) Mindray APTT Reagent		1,84	0,19	10	7	0	CVPG	1,84	0,19	20%	1,47	2,21	7	
Other					6	0							4	
							1x 241, 3x 256, 2x 257							
(171) Fibrinogen	[g/L]				37							37	34	92
Sample A												37	37	100
All results		2,83	0,23	8,3	37	0	CVP	2,83	0,04	25%	2,12	3,54	37	
Sample B												37	34	92
All results		2,11	0,22	10	37	0	CVP	2,16	0,053	25%	1,62	2,7	37	
(172) Prothrombin test (INR)	[-]				37							37	37	100
Sample A												37	37	100
All results		0,984	0,029	3	37	0	CVP	0,987	0,007	20%	0,789	1,19	37	
Sample B		2,01	0,18	8,7	37							37	37	100
All results (without individual groups)		2,07	0,094	4,6	30	0	CVP	2,06	0,02	20%	1,64	2,48	30	
(177) Mindray		1,63	0,045	2,7	7	0	CVPG	1,63	0,043	12%	1,43	1,83	7	
(179) Prothrombin test (ratio)	[-]				36							36	36	100
Sample A												36	36	100
All results		0,979	0,035	3,5	36	0	CVP	0,986	0,007	20%	0,788	1,19	36	
Sample B		1,92	0,18	9,2	36							36	36	100
All results (without individual groups)		1,97	0,13	6,4	29	0	CVP	1,98	0,018	20%	1,58	2,38	29	
(177) Mindray		1,68	0,11	6,6	7	0	CVPG	1,68	0,11	12%	1,47	1,89	7	
(173) Thrombin time (time)	[s]				24							19	14	74
Sample A		15,3	1,2	7,6	24							19	18	95
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		14,9	0,84	5,6	12	0	CVPG	14,5	0,29	15%	12,3	16,7	12	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		14,8	1	7	5	0	CVPG	14,8	2,9	15%	12,5	17,1	5	
Other					7	0							2	
							1x 1/149, 1x 1/175, 1x 1/179, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175							
Sample B		17,5	2,7	15	24							19	14	74
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		17,1	3,2	19	12	0	CVPG	16,3	0,75	15%	13,8	18,8	12	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		15,9	0,89	5,6	5	0	CVPG	15,9	2,5	15%	13,5	18,3	5	
Other					7	0							2	
							1x 1/149, 1x 1/175, 1x 1/179, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175							
(174) Thrombin time (ratio)	[-]				19							15	14	93
Sample A		0,913	0,094	10	19							15	15	100
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		0,835	0,067	8	8	0	CVPG	0,848	0,019	20%	0,678	1,02	8	
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177) Mindray		0,975	0,037	3,8	5	0	CVPG	0,975	0,1	20%	0,78	1,17	5	
Other					6	0							2	
							1x 1/175, 1x 1/179, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175							
Sample B		1,04	0,14	13	19							15	14	93
(5) Thrombin units: 2,5 IU/mL (NIH); (149) Siemens (Dade, BN, Dimension)		1	0,21	21	8	0	CVPG	0,97	0,059	20%	0,776	1,17	8	

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							AV	U _{AV}	D _{max}	LL	UL				
(8) Počet trombin. jednotek: 8 IU/mL (NIH); (177)		1,05	0,045	4,2	5	0	CVPG	1,05	0,13	20%	0,84	1,26	5		
Mindray															
Other					6	0							2		
							1x 1/175, 1x 1/179, 1x 3/149, 1x 6/38, 1x 7/38, 1x 7/175								