

EQA round: HS1/24 - Haemocoagulation Special

Deadline: 14.6.2024

Setup: groups - P (manufacturer of instrument); 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	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		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				
Set 1															
(479) Factor VIII	[%]				99							99	95	96	
Sample A1		24,9	3,4	14	99		CVP	24,9	0,84	28%	17,9	31,9	99	95	96
(38) Werfen (IL)		21,4	1,7	8,1	20	0							20		
(63) Sysmex		25,3	2,8	11	55	0							55		
(94) Stago		26	4,4	17	8	0							8		
(149) Siemens (Dade, BN, Dimension)		28,1	0,074	0,26	5	0							5		
(179) Siemens		25,1	1,4	5,6	5	0							5		
Other					6	0							6		
								1x 12, 1x 162, 1x 175, 2x 177, 1x 999							
(480) von Willebrand f. (activity)	[%]				32							32	31	97	
Sample A1		11,5	2,7	24	32		CVP	11,5	1,2	48%	5,98	17,1	32	31	97
(38) Werfen (IL)		11,5	4,8	41	8	0							8		
(63) Sysmex		11,7	2,8	24	15	0							15		
Other					9	0							9		
								1x 0, 2x 94, 4x 149, 1x 162, 1x 179							
(481) von Willebrand f. (antigen)	[%]				30							30	30	100	
Sample A1		16,3	2,7	16	30		CVP	16,3	1,2	32%	11	21,6	30	30	100
(38) Werfen (IL)		18,9	1	5,5	8	0							8		
(63) Sysmex		14,4	1,3	8,8	12	0							12		
Other					10	0							10		
								1x 0, 1x 15, 3x 94, 3x 149, 2x 179							
Set 2															
(482) Factor IX	[%]				44							44	43	98	
Sample A2		67,8	6,9	10	44		CVP	67,8	2,6	25%	50,8	84,8	44	43	98
(38) Werfen (IL)		65,1	3,9	6	12	0							12		
(63) Sysmex		69	9,9	14	20	0							20		
(94) Stago		69	4,4	6,4	5	0							5		
Other					7	0							7		
								1x 12, 2x 149, 1x 162, 3x 179							
(483) Factor XI	[%]				31							31	31	100	
Sample A2		83,7	9,4	11	31		CVP	83,7	4,1	25%	62,7	105	31	31	100
(38) Werfen (IL)		84,8	11	13	10	0							10		
(63) Sysmex		81	7,7	9,5	11	0							11		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 3x 179							
(484) Factor XII	[%]				39							39	39	100	
Sample A2		36,6	5,6	15	39		CVP	36,6	2,2	30%	25,6	47,6	39	39	100
(38) Werfen (IL)		36,5	5,9	16	10	0							10		
(63) Sysmex		34,9	4,6	13	18	0							18		
(94) Stago		43,5	2,2	5,1	5	0							5		
Other					6	0							6		
								1x 12, 2x 149, 3x 179							
Set 3															
(485) Protein C	[%]				81							81	79	98	
Sample A3		127	6,2	4,9	81		CVP	127	1,7	20%	101	153	81	79	98
(38) Werfen (IL)		124	4,9	4	19	0							19		
(63) Sysmex		127	6,3	4,9	42	0							42		
(94) Stago		134	8,2	6,1	8	0							8		
(149) Siemens (Dade, BN, Dimension)		130	3,5	2,7	6	0							6		
Other					6	0							6		
								1x 175, 4x 179, 1x 999							
(486) Protein S	[%]				75							75	75	100	
Sample A3		100	7,2	7,2	75		CVP	100	2	30%	70	130	75	75	100
(38) Werfen (IL)		99,2	9,1	9,2	17	0							17		
(63) Sysmex		101	5,6	5,5	37	0							37		
(94) Stago		95,5	13	13	8	0							8		
(149) Siemens (Dade, BN, Dimension)		99,6	5,9	6	7	0							7		
Other					6	0							6		
								1x 175, 4x 179, 1x 999							
(487) ProC Global (norm. ratio)	[-]				24							24	23	96	
Sample A3		0,926	0,1	11	24		CVP	0,926	0,052	25%	0,694	1,16	24	23	96
(63) Sysmex		0,922	0,088	9,6	15	0							15		

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							AV	U _{AV}	D _{max}	LL	UL				
Other					9	0	1x 38, 4x 94, 3x 149, 1x 162					9			
Set 4															
(491) Factor II	[%]				33							33	33	100	
Sample A4		80,6	5,6	6,9	33		CVP	80,6	2,4	25%	60,4	101	33	33	100
(38) Werfen (IL)		72,4	2,4	3,3	7	0							7		
(63) Sysmex		82,8	2,9	3,5	15	0							15		
Other					11	0							11		
							1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999								
(492) Factor V	[%]				35							35	35	100	
Sample A4		67,5	4,8	7,1	35		CVP	67,5	2	25%	50,6	84,4	35	35	100
(38) Werfen (IL)		62,8	5,6	9	7	0							7		
(63) Sysmex		68	4,7	6,9	17	0							17		
Other					11	0							11		
							1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999								
(493) Factor VII	[%]				39							39	37	95	
Sample A4		35,3	6,5	18	39		CVP	35,3	2,5	36%	22,5	48,1	39	37	95
(38) Werfen (IL)		25	3	12	7	0							7		
(63) Sysmex		38,4	3,1	8,2	21	0							21		
Other					11	0							11		
							1x 12, 4x 94, 2x 149, 1x 175, 2x 179, 1x 999								
(494) Factor X	[%]				33							33	33	100	
Sample A4		80,7	4,6	5,7	33		CVP	80,7	2	25%	60,5	101	33	33	100
(38) Werfen (IL)		78,5	7,1	9,1	7	0							7		
(63) Sysmex		81,5	5,3	6,5	16	0							16		
Other					10	0							10		
							1x 12, 4x 94, 2x 149, 1x 175, 2x 179								