

EQA round: HS2/23 - Haemocoagulation Special

Deadline: 17.11.2023

Setup: groups - P (manufacturer of instrument); minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{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	96	97	
Sample A1		127	13	10	99		CVP	127	3,1	25%	95,2	159	99	96	97
(38) IL		117	11	9	17	0							17		
(63) Sysmex		130	13	10	57	0							57		
(94) Stago		130	13	9,7	8	0							8		
(149) Siemens (Dade, BN, Dimension)		124	7,9	6,4	5	0							5		
(179) Siemens		129	20	16	6	0							6		
Other					6	0							6		
								1x 12, 1x 162, 1x 175, 2x 177, 1x 999							
(480) von Willebrand f. (activity)	[%]				28							28	25	89	
Sample A1		104	9,1	8,8	28		CVP	104	4,2	25%	78	130	28	25	89
(38) IL		101	9	8,9	7	0							7		
(63) Sysmex		104	11	10	13	0							13		
Other					8	0							8		
								1x 0, 2x 94, 3x 149, 1x 162, 1x 179							
(481) von Willebrand f. (antigen)	[%]				27							27	25	93	
Sample A1		120	10	8,6	27		CVP	120	4,9	20%	96	144	27	25	93
(38) IL		126	6,7	5,3	7	0							7		
(63) Sysmex		120	7,9	6,6	11	0							11		
Other					9	0							9		
								1x 0, 1x 15, 3x 94, 2x 149, 2x 179							
Set 2															
(482) Factor IX	[%]				42							42	40	95	
Sample A2		7,32	1,2	16	42		CVP	7,32	0,45	32%	4,97	9,67	42	40	95
(38) IL		7,65	0,85	11	10	0							10		
(63) Sysmex		7,32	0,79	11	20	0							20		
(94) Stago		6,65	2	30	5	0							5		
Other					7	0							7		
								1x 12, 2x 149, 1x 162, 3x 179							
(483) Factor XI	[%]				30							30	29	97	
Sample A2		99,8	5,7	5,7	30		CVP	99,8	2,6	25%	74,8	125	30	29	97
(38) IL		101	6,2	6,2	8	0							8		
(63) Sysmex		98,1	5,4	5,5	12	0							12		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 3x 179							
(484) Factor XII	[%]				36							36	36	100	
Sample A2		99,2	7,8	7,9	36		CVP	99,2	3,2	25%	74,4	124	36	36	100
(38) IL		101	10	10	8	0							8		
(63) Sysmex		96,9	5,4	5,6	17	0							17		
(94) Stago		106	2,2	2,1	5	0							5		
Other					6	0							6		
								1x 12, 2x 149, 3x 179							
Set 3															
(485) Protein C	[%]				83							83	81	98	
Sample A3		98,2	4,7	4,8	83		CVP	98,2	1,3	20%	78,5	118	83	81	98
(38) IL		97,6	3,8	3,9	18	0							18		
(63) Sysmex		97,9	4,5	4,6	44	0							44		
(94) Stago		102	9,6	9,5	7	0							7		
(149) Siemens (Dade, BN, Dimension)		103	5,2	5,1	6	0							6		
(179) Siemens		95,3	4,4	4,6	5	0							5		
Other					3	0							3		
								1x 12, 1x 175, 1x 999							
(486) Protein S	[%]				77							77	73	95	
Sample A3		83,2	9,6	12	77		CVP	83,2	2,7	30%	58,2	109	77	73	95
(38) IL		81,5	4	4,9	16	0							16		
(63) Sysmex		84,3	10	12	39	0							39		
(94) Stago		80,5	9,6	12	7	0							7		
(149) Siemens (Dade, BN, Dimension)		85,1	19	23	7	0							7		
(179) Siemens		86,6	6,4	7,5	5	0							5		
Other					3	0							3		
								1x 12, 1x 175, 1x 999							

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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				
(487) ProC Global (norm. ratio)	[-]				27							27	27	100	
Sample A3		0,466	0,047	10	27		CVP	0,466	0,022	25%	0,349	0,583	27	27	100
(63) Sysmex		0,458	0,036	7,9	15	0							15		
Other					12	0							12		
								1x 12, 1x 38, 4x 94, 3x 149, 1x 162, 2x 179							
Set 4															
(491) Factor II	[%]				32							32	32	100	
Sample A4		56,9	4,8	8,4	32		CVP	56,9	2,1	25%	42,6	71,2	32	32	100
(38) IL		53,6	2,4	4,4	7	0							7		
(63) Sysmex		59,5	3,6	6,1	15	0							15		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 1x 175, 2x 179							
(492) Factor V	[%]				33							33	32	97	
Sample A4		42,5	3,9	9,2	33		CVP	42,5	1,7	25%	31,8	53,2	33	32	97
(38) IL		38,8	2,6	6,7	7	0							7		
(63) Sysmex		44,2	3,1	7	16	0							16		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 1x 175, 2x 179							
(493) Factor VII	[%]				37							37	37	100	
Sample A4		49,7	3,8	7,6	37		CVP	49,7	1,5	25%	37,2	62,2	37	37	100
(38) IL		45,8	3,9	8,6	7	0							7		
(63) Sysmex		51,6	3,9	7,6	20	0							20		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 1x 175, 2x 179							
(494) Factor X	[%]				32							32	32	100	
Sample A4		52,3	2,8	5,4	32		CVP	52,3	1,2	25%	39,2	65,4	32	32	100
(38) IL		51,4	2	3,9	7	0							7		
(63) Sysmex		52,8	2,5	4,7	15	0							15		
Other					10	0							10		
								1x 12, 4x 94, 2x 149, 1x 175, 2x 179							