Summary statistics - quantitative results

EQA round: HS1/26 - Haemocoagulation Special

Deadline: 12.6.2026

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 results
N_{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 assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
Set 1															
(479) **Factor VIII**	[%]				98								98	93	95
Sample A1		26,2	3,8	14	98		CVP	26,2	0,93	25%	19,6	32,8	98	93	95
(38) Werfen (IL)		22	1,9	8,8	18	0							18		
(63) Sysmex		27,5	2,8	10	52	0							52		
(94) Stago		24,5	6,7	27	8	0							8		
(149) Siemens (Dade, BN, Dimension)		25,7	3,9	15	6	0							6		
(177) Mindray		29,6	3,6	12	6	0							6		
(179) Siemens		26,6	2,4	9,2	5	0							5		
Other					3	0							3		
							1x 0, 1x 12, 1x 999								
(480) **von Willebrand f. (activity)**	[%]				32								32	29	91
Sample A1		17,7	1,7	9,8	32		CVP	17,7	0,75	25%	13,2	22,2	32	29	91
(38) Werfen (IL)		17,8	3,1	17	8	0							8		
(63) Sysmex		17,9	1,1	6,3	16	0							16		
Other					8	0							8		
							3x 94, 4x 149, 1x 179								
(481) **von Willebrand f. (antigen)**	[%]				30								30	28	93
Sample A1		24,8	2,6	11	30		CVP	24,8	1,2	20%	19,8	29,8	30	28	93
(38) Werfen (IL)		27,6	2,3	8,3	8	0							8		
(63) Sysmex		23,8	1,6	6,8	13	0							13		
Other					9	0							9		
							1x 15, 3x 94, 3x 149, 1x 177, 1x 179								
Set 2															
(482) **Factor IX**	[%]				44								44	43	98
Sample A2		118	8,3	7	44		CVP	118	3,1	25%	88,5	148	44	43	98
(38) Werfen (IL)		115	3,3	2,8	9	0							9		
(63) Sysmex		119	9,1	7,7	21	0							21		
Other					14	0							14		
							1x 12, 4x 94, 3x 149, 3x 177, 3x 179								
(483) **Factor XI**	[%]				33								33	30	91
Sample A2		122	16	13	33		CVP	122	6,8	25%	91,5	153	33	30	91
(38) Werfen (IL)		111	12	11	7	0							7		
(63) Sysmex		131	20	15	13	0							13		
Other					13	0							13		
							1x 12, 3x 94, 3x 149, 3x 177, 3x 179								
(484) **Factor XII**	[%]				40								40	40	100
Sample A2		97,6	7	7,2	40		CVP	97,6	2,7	25%	73,2	122	40	40	100
(38) Werfen (IL)		91,9	12	13	7	0							7		
(63) Sysmex		97,9	6,6	6,8	19	0							19		
Other					14	0							14		
							1x 12, 4x 94, 3x 149, 3x 177, 3x 179								
Set 3															
(485) **Protein C**	[%]				79								79	79	100
Sample A3		104	3,6	3,5	79		CVP	104	1	20%	83,2	125	79	79	100
(38) Werfen (IL)		104	4,1	3,9	18	0							18		
(63) Sysmex		104	3,2	3,1	39	0							39		
(94) Stago		107	6,7	6,3	8	0							8		
(149) Siemens (Dade, BN, Dimension)		107	5,7	5,3	5	0							5		
Other					9	0							9		
							1x 0, 1x 12, 3x 177, 3x 179, 1x 999								
(486) **Protein S**	[%]				75								75	71	95
Sample A3		80,5	9,1	11	75		CVP	80,5	2,6	30%	56,3	105	75	71	95
(38) Werfen (IL)		80,2	3,9	4,8	17	0							17		
(63) Sysmex		81,6	9,8	12	36	0							36		
(94) Stago		77	13	17	8	0							8		
(149) Siemens (Dade, BN, Dimension)		79,4	9,3	12	6	0							6		
Other					8	0							8		
							1x 12, 3x 177, 3x 179, 1x 999								
(487) **ProC Global (norm. ratio)**	[-]				25								25	25	100
Sample A3		0,468	0,035	7,4	25		CVP	0,468	0,017	25%	0,351	0,585	25	25	100
(63) Sysmex		0,457	0,031	6,7	16	0							16		

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Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
Other					9	0							9		
							1x 0, 1x 12, 1x 38, 4x 94, 2x 149								
Set 4															
(491) **Factor II**	[%]				35								35	30	86
Sample A4		21,7	2,8	13	35		CVP	21,7	1,2	25%	16,2	27,2	35	30	86
(38) Werfen (IL)		19	0,96	5,1	5	0							5		
(63) Sysmex		21,8	1,2	5,6	16	0							16		
Other					14	1							14		
							1x 12, 3x 94, 3x 149, 3x 177, 3x 179, 1x 999								
(492) **Factor V**	[%]				35								35	35	100
Sample A4		88,1	4,9	5,5	35		CVP	88,1	2	25%	66	111	35	35	100
(38) Werfen (IL)		88,7	4,3	4,8	5	0							5		
(63) Sysmex		87,3	2,7	3,1	16	0							16		
Other					14	0							14		
							1x 12, 3x 94, 3x 149, 3x 177, 3x 179, 1x 999								
(493) **Factor VII**	[%]				37								37	33	89
Sample A4		38,5	6,6	17	37		CVP	38,5	2,7	34%	25,4	51,6	37	33	89
(38) Werfen (IL)		26,2	2,7	10	5	0							5		
(63) Sysmex		40,2	3,4	8,4	18	0							18		
Other					14	0							14		
							1x 12, 3x 94, 3x 149, 3x 177, 3x 179, 1x 999								
(494) **Factor X**	[%]				33								33	31	94
Sample A4		12,7	1,4	11	33		CVP	12,7	0,59	25%	9,52	15,9	33	31	94
(38) Werfen (IL)		11,8	1	8,8	5	0							5		
(63) Sysmex		12,6	0,93	7,4	15	0							15		
Other					13	0							13		
							1x 12, 3x 94, 3x 149, 3x 177, 3x 179								