

EQA round: SED1/25 - Erythrocyte Sedimentation Rate

Deadline: 28.3.2025

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				
(541) Erythrocyte sedimentation (1 h)	[mm/1hod]				139							135	128	95	
Sample A		8,47	1,9	22	139							135	131	97	
(0) not specified		8,85	2	23	24	0	CVP	8,41	0,38	asym.	3	14	24		
(5) Dialab		7,5	0,74	9,9	5	0	CVP	8,41	0,38	asym.	3	14	5		
(88) Becton Dickinson		7,83	1,5	19	12	0	CVP	8,41	0,38	asym.	3	14	12		
(121) Greiner		8,05	1,6	20	42	0	CVP	8,41	0,38	asym.	3	14	42		
(123) Sarstedt		9,59	1,2	13	26	0	CVP	8,41	0,38	asym.	3	14	26		
(999) another manufacturer		7,87	2	25	26	0	CVP	8,41	0,38	asym.	3	14	26		
Other					4	0							0		
														4x 177	
Sample B		61,3	13	21	139							135	130	96	
(0) not specified		63,7	17	26	24	0	CVP	61,8	2,6	asym.	30	93	24		
(5) Dialab		52,5	5,2	9,9	5	0	CVP	61,8	2,6	asym.	30	93	5		
(88) Becton Dickinson		54,9	9,1	16	12	0	CVP	61,8	2,6	asym.	30	93	12		
(121) Greiner		59	10	17	42	0	CVP	61,8	2,6	asym.	30	93	42		
(123) Sarstedt		71,6	6	8,4	26	1	CVP	61,8	2,6	asym.	30	93	26		
(999) another manufacturer		59	8,4	14	26	0	CVP	61,8	2,6	asym.	30	93	26		
Other					4	1							0		
														4x 177	
(542) Erythrocyte sedimentation (2 h)	[mm/2hod]				125							125	121	97	
Sample A		18,9	3,5	18	125		CVP	18,9	0,76	asym.	9	29	125	121	97
(0) not specified		19,8	4,2	21	21	0							21		
(88) Becton Dickinson		16,4	3,1	19	12	0							12		
(121) Greiner		18,1	2,8	16	39	0							39		
(123) Sarstedt		21,1	1,5	7,2	24	0							24		
(999) another manufacturer		18,8	3,5	19	25	0							25		
Other					4	0							4		
														4x 5	
Sample B		115	18	16	125		CVP	115	3,9	asym.	57	173	125	124	99
(0) not specified		115	19	17	21	0							21		
(88) Becton Dickinson		105	6,5	6,2	12	0							12		
(121) Greiner		110	13	12	39	0							39		
(123) Sarstedt		136	18	13	24	0							24		
(999) another manufacturer		112	12	10	25	0							25		
Other					4	0							4		
														4x 5	