

EQA round: SED1/24 - Erythrocyte Sedimentation Rate

Deadline: 29.3.2024

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				
(541) Erythrocyte sedimentation (1 h)		[mm/1hod]			144								144	141	98
Sample A		61	11	18	144		CVP	61	2,2	asym.	30	92	144	142	99
(0) not specified		59,2	12	20	26	0							26		
(5) Dialab		59,5	8,2	14	6	0							6		
(88) Becton Dickinson		58,5	12	21	12	0							12		
(121) Greiner		60,2	9,8	16	46	0							46		
(123) Sarstedt		71,3	4	5,7	27	0							27		
(999) another manufacturer		55,5	5,4	9,7	25	0							25		
Other					2	0							2		
							1x 177, 1x 998								
Sample B		7,7	1,7	22	144		CVP	7,7	0,35	asym.	2	13	144	142	99
(0) not specified		7,91	1,7	22	26	0							26		
(5) Dialab		7,5	2,2	30	6	0							6		
(88) Becton Dickinson		6,4	1,6	25	12	0							12		
(121) Greiner		7,59	1,6	21	46	0							46		
(123) Sarstedt		8,63	0,84	9,7	27	0							27		
(999) another manufacturer		7,17	1,9	26	25	0							25		
Other					2	0							2		
							1x 177, 1x 998								
(542) Erythrocyte sedimentation (2 h)		[mm/2hod]			138								138	133	96
Sample A		116	17	15	138		CVP	116	3,6	50%	58	174	138	137	99
(0) not specified		113	20	18	26	0							26		
(5) Dialab		110	6,7	6,1	5	0							5		
(88) Becton Dickinson		111	15	14	12	0							12		
(121) Greiner		114	15	13	44	0							44		
(123) Sarstedt		131	23	17	25	0							25		
(999) another manufacturer		112	11	9,6	25	0							25		
Other					1	0							1		
							1x 998								
Sample B		17,1	2,8	17	138		CVP	17,1	0,59	asym.	8	26	138	133	96
(0) not specified		17,2	2,4	14	26	0							26		
(5) Dialab		16,5	2,2	13	5	0							5		
(88) Becton Dickinson		15,3	2,6	17	12	0							12		
(121) Greiner		16,9	2,7	16	44	0							44		
(123) Sarstedt		18,9	1,4	7,5	25	0							25		
(999) another manufacturer		16	4	25	25	0							25		
Other					1	0							1		
							1x 998								