

EQA round: SED2/23 - Erythrocyte Sedimentation Rate

Deadline: 15.9.2023

Setup: groups - measurement principle; 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								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel} [%]	
(541) Erythrocyte sedimentation (1 h)	[mm/1hod]				80							80	73	91	
Sample A		56,7	16	27	80		CVP	56,7	4,3	asym.	28	86	80	74	93
(1) Instrument		60,2	26	43	14	0							14		
(2) Manual		55,9	13	24	66	0							66		
Sample B		1,95	0,82	42	80		CVP	1,95	0,22	asym.	0	5	80	78	98
(1) Instrument		3,16	1,3	41	14	0							14		
(2) Manual		1,75	0,62	36	66	0							66		
(542) Erythrocyte sedimentation (2 h)	[mm/2hod]				79								79	72	91
Sample A		93,1	21	23	79		CVP	93,1	5,8	asym.	46	140	79	73	92
(1) Instrument		90,9	41	45	12	0							12		
(2) Manual		92,9	19	20	67	0							67		
Sample B		3,83	1,2	32	79		CVP	3,83	0,33	asym.	0	7	79	76	96
(1) Instrument		4,42	1,2	28	12	0							12		
(2) Manual		3,71	1,2	31	67	0							67		