

EQA round: SED2/24 - Erythrocyte Sedimentation Rate

Deadline: 13.9.2024

Setup: groups - M (measurement principle); 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]				90								90	81	90
Sample A		3,43	1,4	41	90		CVP	3,43	0,36	asym.	0	9	90	90	100
(1) Instrument		5,17	2,5	48	17	0							17		
(2) Manual		3,2	1,2	38	72	0							72		
Other					1	0							1		
							1x 99								
Sample B		48,9	15	31	90		CVP	48,9	3,9	asym.	24	74	90	81	90
(1) Instrument		47,4	30	62	17	0							17		
(2) Manual		48,6	12	25	72	0							72		
Other					1	0							1		
							1x 99								
(542) Erythrocyte sedimentation (2 h)	[mm/2hod]				89								89	82	92
Sample A		8,87	5,4	61	89		CVP	8,87	1,4	asym.	3	20	89	89	100
(1) Instrument		11,8	6,5	56	16	0							16		
(2) Manual		8,13	4,7	58	73	0							73		
Sample B		83,5	22	26	89		CVP	83,5	5,7	asym.	41	126	89	82	92
(1) Instrument		80,9	49	61	16	0							16		
(2) Manual		82,5	17	21	73	0							73		