

EQA round: FOB1/23 - Faecal Occult Blood

Deadline: 19.5.2023

Setup: groups - manufacturer of kit; 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

CVPG = consensus of the participants' groups

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			
(107) Haemoglobin	[µg/g]				211							198	150	76
Sample A		52,2	20	39	211							198	162	82
(57) Aidian (Orion)		43	7,9	18	73	0	CVPG	43	2,3	20%	34,4	51,6	73	
(116) Sentinel Diagnostics		60,1	4,1	6,9	53	0	CVPG	60,1	1,4	20%	48	72,2	53	
(124) SD BIOSENSOR		66,2	21	32	12	0	CVPG	66,2	15	20%	52,9	79,5	12	
(200) BodiTech		102	6,3	6,1	31	3	CVPG	102	2,9	20%	81,6	123	31	
(208) Eiken		29,8	2,4	8,2	29	0	CVPG	29,8	1,1	20%	23,8	35,8	29	
(999) another manufacturer		49,3	28	56	5	2							0	
Other					8	0							0	
							2x 60, 2x 64, 4x 5/116							
Sample B		144	46	32	211							198	168	85
(57) Aidian (Orion)		136	21	15	73	1	CVPG	136	6	20%	108	164	73	
(116) Sentinel Diagnostics		175	18	10	53	3	CVPG	175	6,3	20%	140	210	53	
(124) SD BIOSENSOR		132	25	19	12	0	CVPG	132	18	20%	105	159	12	
(200) BodiTech		199	3,7	1,9	31	2	CVPG	199	1,7	20%	159	239	31	
(208) Eiken		90,9	5,1	5,6	29	0	CVPG	90,9	2,3	20%	72,7	110	29	
(999) another manufacturer		69,6	76	110	5	1							0	
Other					8	0							0	
							2x 60, 2x 64, 4x 5/116							