

## EQA round: FOB1/26 - Faecal Occult Blood

Deadline: 1.5.2026

Setup: groups - R (manufacturer of kit); minimal size of the groups n = 5

RoM = robust average

AV = assigned value

D<sub>max</sub> = acceptable difference

SD = standard deviation

CVPG = consensus of the participants' groups

LL = lower limit

CV = coefficient of variation

U<sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)

UL = upper limit

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>out</sub> = number of the results removed before calculationN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
<b>(107) Haemoglobin</b>	[µg/g]				209								202	181	90
<b>Sample A</b>		47,3	20	42	209								202	184	91
(57) Aidian (Orion)		40,3	5	13	91	0	CVPG	40,3	1,3	25%	30,2	50,4	91		
(116) Sentinel Diagnostics		66,7	4,6	6,9	45	0	CVPG	66,7	1,7	25%	50	83,4	45		
(124) SD BIOSENSOR		54,4	8,9	16	9	0	CVPG	54,4	11	25%	40,8	68	9		
(200) BodiTech		127	8,2	6,5	16	1	CVPG	127	5,2	25%	95,2	159	16		
(208) Eiken		30,3	1,9	6,2	26	0	CVPG	30,3	0,9	25%	22,7	37,9	26		
(5) FOB Gold Calibrator Wide; (116) Sentinel Diagnostics		20,6	1,5	7,5	15	0	CVPG	20,6	0,98	25%	15,4	25,8	15		
Other					7	4							0		
								1x 8, 2x 60, 1x 64, 3x 999							
<b>Sample B</b>		132	47	36	209								202	193	96
(57) Aidian (Orion)		128	12	9,6	91	0	CVPG	128	3,1	25%	96	160	91		
(116) Sentinel Diagnostics		179	22	12	45	0	CVPG	179	8,1	25%	134	224	45		
(124) SD BIOSENSOR		114	20	18	9	0	CVPG	114	25	25%	85,5	143	9		
(200) BodiTech		199	2,4	1,2	16	0	CVPG	199	1,5	25%	149	249	16		
(208) Eiken		90,9	4,1	4,5	26	0	CVPG	90,9	2	25%	68,1	114	26		
(5) FOB Gold Calibrator Wide; (116) Sentinel Diagnostics		59,6	4,5	7,5	15	0	CVPG	59,6	2,8	25%	44,7	74,5	15		
Other					7	0							0		
								1x 8, 2x 60, 1x 64, 3x 999							