

EQA round: FC1/24 - Calprotectin in Stool

Deadline: 1.3.2024

Setup: groups - R (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

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} [%]	
(223) Calprotectin	[µg/g]				71							71	29	41	
Sample A		579	300	51	71		CVP	579	93	50%	289	869	71	41	58
(8) Eurospital		600	340	57	8	1							8		
(135) OrgenTec		952	72	7,6	6	0							6		
(164) DiaSorin		472	80	17	6	0							6		
(166) Thermo Fisher		632	340	54	7	0							7		
(211) INOVA Diagnostics		402	60	15	7	0							7		
(219) Bühlmann		649	260	39	23	5							23		
(999) another manufacturer		456	480	100	10	2							10		
Other					4	1							4		
								1x 49, 1x 60, 1x 87, 1x 200							
Sample B		34,9	17	50	71		CVP	34,9	5,3	50%	17,4	52,4	71	46	65
(8) Eurospital		15	7,4	49	8	2							8		
(135) OrgenTec		91	93	100	6	0							6		
(164) DiaSorin		35,5	5,3	15	6	0							6		
(166) Thermo Fisher		20,5	6,7	33	7	0							7		
(211) INOVA Diagnostics		28	17	61	7	0							7		
(219) Bühlmann		46,9	19	41	23	1							23		
(999) another manufacturer		34,3	21	62	10	3							10		
Other					4	0							4		
								1x 49, 1x 60, 1x 87, 1x 200							