

EQA round: DD4/23 - D Dimers

Deadline: 17.11.2023

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

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVPG = consensus of the participants' groups	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			
(476) D Dimers (FEU)	[mg/L FEU]				233							221	215	97
Vzorek A 23.39		0,46	0,094	20	233							221	218	99
(917) Siemens Innovance D-Dimer		0,471	0,049	10	133	0	CVPG 0,457	0,005 ±0,189	0,268	0,646		133		
(929) Mitsubishi Pathfast D-Dimer		0,603	0,05	8,2	7	0	CVPG 0,603	0,048 ±0,189	0,414	0,792		7		
(947) Roche Cardiac D-Dimer		0,249	0,038	15	12	0	CVPG 0,262	0,016 ±0,189	0,073	0,451		12		
(955) Stago Liatest D-Dimer		0,395	0,007	1,9	5	0	CVPG 0,417	0,04 ±0,189	0,228	0,606		5		
(958) Stago Liatest D-Dimer Plus		0,399	0,055	14	24	0	CVPG 0,404	0,014 ±0,189	0,215	0,593		24		
(976) IL HemosIL D-Dimer HS 500		0,583	0,035	5,9	27	0	CVPG 0,565	0,01 ±0,189	0,376	0,754		27		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,294	0,05	17	6	0	CVPG 0,294	0,024 ±0,189	0,105	0,483		6		
Other					19	3						7		
							3x 900, 2x 902, 2x 918, 4x 962, 2x 984, 2x 985, 4x 999							
Vzorek B 23.40		1,18	0,49	42	233							221	218	99
(917) Siemens Innovance D-Dimer		1,48	0,14	9,3	133	0	CVPG 1,42	0,016	27%	1,03	1,81	133		
(929) Mitsubishi Pathfast D-Dimer		1,16	0,089	7,7	7	0	CVPG 1,16	0,086	27%	0,846	1,48	7		
(947) Roche Cardiac D-Dimer		0,416	0,069	17	12	0	CVPG 0,423	0,034 ±0,189	0,234	0,612		12		
(955) Stago Liatest D-Dimer		0,505	0,037	7,3	5	0	CVPG 0,499	0,043 ±0,189	0,31	0,688		5		
(958) Stago Liatest D-Dimer Plus		0,535	0,056	11	24	0	CVPG 0,526	0,014 ±0,189	0,337	0,715		24		
(976) IL HemosIL D-Dimer HS 500		1,16	0,085	7,3	27	0	CVPG 1,16	0,014	27%	0,846	1,48	27		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,471	0,061	13	6	0	CVPG 0,49	0,049 ±0,189	0,301	0,679		6		
Other					19	3						7		
							3x 900, 2x 902, 2x 918, 4x 962, 2x 984, 2x 985, 4x 999							
(477) D Dimers (DDim)	[mg/L D Dimer]				28							24	24	100
Vzorek A 23.39		0,246	0,1	43	28							24	24	100
(921) IL HemosIL D-Dimer HS		0,181	0,016	9	14	0	CVPG 0,186	0,011 ±0,081	0,105	0,267		14		
(986) Radiometer AQT90 FLEX D-Dimer		0,363	0,029	7,9	10	0	CVPG 0,373	0,026	27%	0,272	0,474	10		
Other					4	0						0		
							1x 918, 1x 947, 2x 999							
Vzorek B 23.40		0,421	0,15	34	28							24	24	100
(921) IL HemosIL D-Dimer HS		0,324	0,015	4,5	14	0	CVPG 0,309	0,012	27%	0,225	0,393	14		
(986) Radiometer AQT90 FLEX D-Dimer		0,585	0,036	6,1	10	0	CVPG 0,608	0,046	27%	0,443	0,773	10		
Other					4	0						0		
							1x 918, 1x 947, 2x 999							