

EQA round: DD1/25 - D Dimers

Deadline: 28.3.2025

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]				239							231	226	98
Sample A 25.33		0,457	0,2	44	239							231	227	98
(917) Siemens Innovance D-Dimer		0,588	0,084	14	129	0	CVPG 0,566	0,008 ±0,189	0,377	0,755		129		
(929) Mitsubishi Pathfast D-Dimer		0,308	0,04	13	8	0	CVPG 0,313	0,04 ±0,189	0,124	0,502		8		
(947) Roche Cardiac D-Dimer		0,125	0,024	19	11	0	CVPG 0,128	0,015 ±0,189	0	0,317		11		
(958) Stago Liatest D-Dimer Plus		0,249	0,038	15	33	0	CVPG 0,207	0,019 ±0,189	0,018	0,396		33		
(976) IL HemosIL D-Dimer HS 500		0,457	0,078	17	34	1	CVPG 0,425	0,009 ±0,189	0,236	0,614		34		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,245	0,022	9,1	6	0	CVPG 0,217	0,029 ±0,189	0,028	0,406		6		
Other					18	0						10		
							3x 900, 3x 901, 1x 902, 4x 955, 3x 962, 2x 984, 2x 985							
Sample B 25.34		1,25	0,41	33	239							231	229	99
(917) Siemens Innovance D-Dimer		1,42	0,092	6,5	129	0	CVPG 1,41	0,01	27%	1,02	1,8	129		
(929) Mitsubishi Pathfast D-Dimer		4,99	0,022	0,45	8	0	CVPG 4,99	0,027	27%	3,64	6,34	8		
(947) Roche Cardiac D-Dimer		0,738	0,14	19	11	0	CVPG 0,767	0,078	27%	0,559	0,975	11		
(958) Stago Liatest D-Dimer Plus		0,625	0,07	11	33	0	CVPG 0,619	0,014 ±0,189	0,43	0,808		33		
(976) IL HemosIL D-Dimer HS 500		1,51	0,095	6,3	34	1	CVPG 1,51	0,018	27%	1,1	1,92	34		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,455	0,052	11	6	0	CVPG 0,403	0,047 ±0,189	0,214	0,592		6		
Other					18	0						10		
							3x 900, 3x 901, 1x 902, 4x 955, 3x 962, 2x 984, 2x 985							
(477) D Dimers (DDim)	[mg/L D Dimer]				30							24	24	100
Sample A 25.33		0,182	0,073	40	30							24	24	100
(921) IL HemosIL D-Dimer HS		0,128	0,012	9,6	12	0	CVPG 0,133	0,011 ±0,081	0,052	0,214		12		
(986) Radiometer AQT90 FLEX D-Dimer		0,239	0,017	6,9	12	0	CVPG 0,248	0,015 ±0,081	0,167	0,329		12		
Other					6	0						0		
							1x 905, 1x 920, 3x 947, 1x 985							
Sample B 25.34		0,544	0,07	13	30							24	24	100
(921) IL HemosIL D-Dimer HS		0,499	0,016	3,2	12	0	CVPG 0,515	0,02	27%	0,375	0,655	12		
(986) Radiometer AQT90 FLEX D-Dimer		0,575	0,012	2,2	12	0	CVPG 0,578	0,014	27%	0,421	0,735	12		
Other					6	0						0		
							1x 905, 1x 920, 3x 947, 1x 985							