

EQA round: DD2/24 - D Dimers

Deadline: 14.6.2024

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]				238							227	219	96
Vzorek A 24.35		0,444	0,076	17	238							227	224	99
(917) Siemens Innovance D-Dimer		0,432	0,045	10	134	0	CVPG 0,421	0,004 ±0,189	0,232	0,61		134		
(929) Mitsubishi Pathfast D-Dimer		0,804	0,15	19	8	0	CVPG 0,804	0,12	27%	0,586	1,03	8		
(947) Roche Cardiac D-Dimer		0,309	0,045	15	11	0	CVPG 0,304	0,027 ±0,189	0,115	0,493		11		
(955) Stago Liatest D-Dimer		0,55	0,059	11	5	0	CVPG 0,48	0,043 ±0,189	0,291	0,669		5		
(958) Stago Liatest D-Dimer Plus		0,54	0,058	11	25	0	CVPG 0,482	0,016 ±0,189	0,293	0,671		25		
(976) IL HemosIL D-Dimer HS 500		0,453	0,058	13	31	0	CVPG 0,479	0,014 ±0,189	0,29	0,668		31		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,385	0,082	21	6	0	CVPG 0,347	0,035 ±0,189	0,158	0,536		6		
Other					18	2						7		
							3x 900, 1x 901, 2x 902, 1x 918, 4x 962, 1x 977, 2x 984, 2x 985, 2x 999							
Vzorek B 24.36		1,75	0,44	25	238							227	221	97
(917) Siemens Innovance D-Dimer		1,98	0,11	5,4	134	0	CVPG 1,97	0,013	27%	1,43	2,51	134		
(929) Mitsubishi Pathfast D-Dimer		5	0	0	8	3	CVPG 5		27%	3,65	6,35	8		
(947) Roche Cardiac D-Dimer		1,16	0,17	15	11	0	CVPG 1,12	0,12	27%	0,817	1,43	11		
(955) Stago Liatest D-Dimer		0,955	0,037	3,9	5	0	CVPG 0,93	0,038	27%	0,678	1,19	5		
(958) Stago Liatest D-Dimer Plus		0,953	0,075	7,8	25	0	CVPG 0,932	0,015	27%	0,68	1,19	25		
(976) IL HemosIL D-Dimer HS 500		1,78	0,14	8,1	31	0	CVPG 1,77	0,026	27%	1,29	2,25	31		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,575	0,082	14	6	0	CVPG 0,526	0,039 ±0,189	0,337	0,715		6		
Other					18	2						7		
							3x 900, 1x 901, 2x 902, 1x 918, 4x 962, 1x 977, 2x 984, 2x 985, 2x 999							
(477) D Dimers (DDim)	[mg/L D Dimer]				27							23	23	100
Vzorek A 24.35		0,282	0,14	48	27							23	23	100
(921) IL HemosIL D-Dimer HS		0,183	0,014	7,4	12	0	CVPG 0,185	0,008 ±0,081	0,104	0,266		12		
(986) Radiometer AQT90 FLEX D-Dimer		0,418	0,027	6,6	11	0	CVPG 0,424	0,02	27%	0,309	0,539	11		
Other					4	0						0		
							1x 905, 1x 920, 2x 947							
Vzorek B 24.36		0,681	0,084	12	27							23	23	100
(921) IL HemosIL D-Dimer HS		0,627	0,023	3,7	12	0	CVPG 0,634	0,015	27%	0,462	0,806	12		
(986) Radiometer AQT90 FLEX D-Dimer		0,738	0,07	9,5	11	0	CVPG 0,752	0,053	27%	0,548	0,956	11		
Other					4	0						0		
							1x 905, 1x 920, 2x 947							