

EQA round: DD1/24 - D Dimers

Deadline: 29.3.2024

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]				245							232	221	95
Vzorek A 24.33		0,822	0,23	27	245							232	231	100
(917) Siemens Innovance D-Dimer		0,901	0,047	5,2	136	0	CVPG 0,906	0,008	27%	0,661	1,16	136		
(929) Mitsubishi Pathfast D-Dimer		2,9	0,27	9,2	8	0	CVPG 2,9	0,2	27%	2,11	3,69	8		
(947) Roche Cardiac D-Dimer		0,404	0,058	14	12	0	CVPG 0,425	0,055 ±0,189		0,236	0,614	12		
(955) Stago Liatest D-Dimer		0,48	0,015	3,1	5	0	CVPG 0,472	0,03 ±0,189		0,283	0,661	5		
(958) Stago Liatest D-Dimer Plus		0,491	0,06	12	27	0	CVPG 0,488	0,017 ±0,189		0,299	0,677	27		
(976) IL HemosIL D-Dimer HS 500		0,957	0,13	14	32	0	CVPG 0,94	0,034	27%	0,686	1,2	32		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,405	0,067	16	5	0	CVPG 0,405	0,19 ±0,189		0,216	0,594	5		
Other					20	4						7		
							3x 900, 1x 901, 1x 902, 2x 918, 4x 962, 1x 977, 2x 984, 4x 985, 2x 999							
Vzorek B 24.34		0,931	0,51	54	245							232	222	96
(917) Siemens Innovance D-Dimer		1,25	0,12	9,5	136	0	CVPG 1,23	0,018	27%	0,897	1,57	136		
(929) Mitsubishi Pathfast D-Dimer		0,566	0,07	12	8	0	CVPG 0,566	0,053 ±0,189		0,377	0,755	8		
(947) Roche Cardiac D-Dimer		0,17	0,045	26	12	0	CVPG 0,18	0,032 ±0,189		0	0,369	12		
(955) Stago Liatest D-Dimer		0,285	0,037	13	5	0	CVPG 0,272	0,02 ±0,189		0,083	0,461	5		
(958) Stago Liatest D-Dimer Plus		0,284	0,023	7,9	27	0	CVPG 0,279	0,009 ±0,189		0,09	0,468	27		
(976) IL HemosIL D-Dimer HS 500		0,892	0,13	14	32	0	CVPG 0,868	0,038	27%	0,633	1,11	32		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,37	0,089	24	5	0	CVPG 0,37	0,25 ±0,189		0,181	0,559	5		
Other					20	4						7		
							3x 900, 1x 901, 1x 902, 2x 918, 4x 962, 1x 977, 2x 984, 4x 985, 2x 999							
(477) D Dimers (DDim)	[mg/L D Dimer]				28							26	24	92
Vzorek A 24.33		0,375	0,064	17	28							26	25	96
(921) IL HemosIL D-Dimer HS		0,33	0,012	3,7	12	0	CVPG 0,343	0,014	27%	0,25	0,436	12		
(986) Radiometer AQT90 FLEX D-Dimer		0,411	0,045	11	12	0	CVPG 0,41	0,028	27%	0,299	0,521	12		
Other					4	0						2		
							1x 917, 1x 947, 2x 999							
Vzorek B 24.34		0,255	0,054	21	28							26	24	92
(921) IL HemosIL D-Dimer HS		0,207	0,011	5,1	12	0	CVPG 0,211	0,014 ±0,081		0,13	0,292	12		
(986) Radiometer AQT90 FLEX D-Dimer		0,286	0,028	9,7	12	0	CVPG 0,284	0,017 ±0,081		0,203	0,365	12		
Other					4	0						2		
							1x 917, 1x 947, 2x 999							