

EQA round: DD3/24 - D Dimers

Deadline: 13.9.2024

Setup: groups - R (manufacturer of kit); 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]				869							849	823	97
Sample A 24.37		0,648	0,25	39	869							849	831	98
(900) BioMerieux Vidas D-Dimer Exclusion II		0,42	0,023	5,4	18	0	CVPG 0,42	0,013 ±0,189	0,231	0,609		18		
(917) Siemens Innovance D-Dimer		0,819	0,076	9,3	402	0	CVPG 0,819	0,009	27%	0,597	1,05	402		
(929) Mitsubishi Pathfast D-Dimer		0,748	0,11	15	8	0	CVPG 0,748	0,086	27%	0,546	0,95	8		
(935) Mindray D-Dimer		0,353	0,052	15	18	0	CVPG 0,353	0,03 ±0,189	0,164	0,542		18		
(947) Roche Cardiac D-Dimer		0,25	0,046	18	17	0	CVPG 0,25	0,027 ±0,189	0,061	0,439		17		
(955) Stago Liatest D-Dimer		0,338	0,059	17	19	0	CVPG 0,338	0,033 ±0,189	0,149	0,527		19		
(958) Stago Liatest D-Dimer Plus		0,327	0,048	15	109	0	CVPG 0,327	0,011 ±0,189	0,138	0,516		109		
(962) Beckman Coulter D-Dimer		0,245	0,037	15	5	0	CVPG 0,245	0,1 ±0,189	0,056	0,434		5		
(976) IL HemosIL D-Dimer HS 500		0,697	0,067	9,5	195	0	CVPG 0,697	0,012 ±0,189	0,508	0,886		195		
(979) Roche Tinaquant 2nd generation (calibration: heparin plasma)		0,302	0,054	18	42	0	CVPG 0,302	0,02 ±0,189	0,113	0,491		42		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,353	0,095	27	16	0	CVPG 0,353	0,058 ±0,189	0,164	0,542		16		
Other					20	1						0		
							3x 901, 2x 902, 2x 918, 1x 956, 4x 977, 2x 984, 3x 985, 2x 988, 1x 999							
Sample B 24.38		1,16	0,38	33	869							849	833	98
(900) BioMerieux Vidas D-Dimer Exclusion II		0,894	0,056	6,3	18	0	CVPG 0,894	0,033	27%	0,652	1,14	18		
(917) Siemens Innovance D-Dimer		1,36	0,082	6,1	402	0	CVPG 1,36	0,01	27%	0,992	1,73	402		
(929) Mitsubishi Pathfast D-Dimer		4,73	0,4	8,5	8	0	CVPG 4,73	0,3	27%	3,45	6,01	8		
(935) Mindray D-Dimer		0,949	0,096	10	18	0	CVPG 0,949	0,055	27%	0,692	1,21	18		
(947) Roche Cardiac D-Dimer		0,746	0,13	18	17	0	CVPG 0,746	0,079	27%	0,544	0,948	17		
(955) Stago Liatest D-Dimer		0,613	0,071	12	19	0	CVPG 0,613	0,04 ±0,189	0,424	0,802		19		
(958) Stago Liatest D-Dimer Plus		0,625	0,057	9,2	109	0	CVPG 0,625	0,013 ±0,189	0,436	0,814		109		
(962) Beckman Coulter D-Dimer		0,3	0,015	4,9	5	0	CVPG 0,3	0,042 ±0,189	0,111	0,489		5		
(976) IL HemosIL D-Dimer HS 500		1,34	0,11	8,5	195	0	CVPG 1,34	0,02	27%	0,978	1,71	195		
(979) Roche Tinaquant 2nd generation (calibration: heparin plasma)		0,381	0,089	23	42	0	CVPG 0,381	0,034 ±0,189	0,192	0,57		42		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,42	0,099	24	16	0	CVPG 0,42	0,061 ±0,189	0,231	0,609		16		
Other					20	1						0		
							3x 901, 2x 902, 2x 918, 1x 956, 4x 977, 2x 984, 3x 985, 2x 988, 1x 999							
(477) D Dimers (DDim)	[mg/L D Dimer]				69							56	56	100
Sample A 24.37		0,367	0,25	67	69							56	56	100
(921) IL HemosIL D-Dimer HS		0,193	0,018	9,3	28	0	CVPG 0,193	0,008 ±0,081	0,112	0,274		28		
(986) Radiometer AQT90 FLEX D-Dimer		0,381	0,042	11	15	0	CVPG 0,381	0,027	27%	0,278	0,484	15		
(987) Sysmex LIAS Auto D-Dimer Neo		0,843	0,061	7,2	13	0	CVPG 0,843	0,042	27%	0,615	1,08	13		
Other					13	0						0		
							1x 905, 1x 917, 4x 920, 1x 942, 2x 947, 1x 973, 1x 976, 1x 985, 1x 999							
Sample B 24.38		0,59	0,25	42	69							56	56	100
(921) IL HemosIL D-Dimer HS		0,445	0,027	6,1	28	0	CVPG 0,445	0,012	27%	0,324	0,566	28		
(986) Radiometer AQT90 FLEX D-Dimer		0,564	0,062	11	15	0	CVPG 0,564	0,039	27%	0,411	0,717	15		
(987) Sysmex LIAS Auto D-Dimer Neo		1,38	0,052	3,8	13	0	CVPG 1,38	0,035	27%	1	1,76	13		
Other					13	0						0		
							1x 905, 1x 917, 4x 920, 1x 942, 2x 947, 1x 973, 1x 976, 1x 985, 1x 999							