

## EQA round: DD3/24 - D Dimers

Deadline: 13.9.2024

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

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CVPG = consensus of the participants' groups	LL = lower limit
CV = coefficient of variation	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N <sub>tot</sub> = total number of the results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
<b>(476) D Dimers (FEU)</b>	[mg/L FEU]				240							228	222	97
<b>Sample A 24.37</b>		0,694	0,27	38	240							228	223	98
(917) Siemens Innovance D-Dimer		0,849	0,084	9,9	131	0	CVPG 0,819	0,009	27%	0,597	1,05	131		
(929) Mitsubishi Pathfast D-Dimer		0,748	0,11	15	8	0	CVPG 0,748	0,086	27%	0,546	0,95	8		
(947) Roche Cardiac D-Dimer		0,256	0,051	20	11	0	CVPG 0,25	0,027 ±0,189	0,061	0,439		11		
(955) Stago Liatest D-Dimer		0,33	0,059	18	5	0	CVPG 0,338	0,033 ±0,189	0,149	0,527		5		
(958) Stago Liatest D-Dimer Plus		0,303	0,047	15	27	0	CVPG 0,327	0,011 ±0,189	0,138	0,516		27		
(976) IL HemosIL D-Dimer HS 500		0,728	0,037	5	33	0	CVPG 0,697	0,012 ±0,189	0,508	0,886		33		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,41	0,089	22	7	0	CVPG 0,353	0,058 ±0,189	0,164	0,542		7		
Other					18	1						6		
							2x 900, 3x 901, 2x 902, 1x 918, 4x 962, 1x 977, 2x 984, 2x 985, 1x 999							
<b>Sample B 24.38</b>		1,21	0,36	29	240							228	225	99
(917) Siemens Innovance D-Dimer		1,36	0,091	6,7	131	0	CVPG 1,36	0,01	27%	0,992	1,73	131		
(929) Mitsubishi Pathfast D-Dimer		4,73	0,4	8,5	8	0	CVPG 4,73	0,3	27%	3,45	6,01	8		
(947) Roche Cardiac D-Dimer		0,753	0,16	21	11	0	CVPG 0,746	0,079	27%	0,544	0,948	11		
(955) Stago Liatest D-Dimer		0,56	0,015	2,6	5	0	CVPG 0,613	0,04 ±0,189	0,424	0,802		5		
(958) Stago Liatest D-Dimer Plus		0,597	0,051	8,5	27	0	CVPG 0,625	0,013 ±0,189	0,436	0,814		27		
(976) IL HemosIL D-Dimer HS 500		1,41	0,059	4,2	33	0	CVPG 1,34	0,02	27%	0,978	1,71	33		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,49	0,089	18	7	0	CVPG 0,42	0,061 ±0,189	0,231	0,609		7		
Other					18	1						6		
							2x 900, 3x 901, 2x 902, 1x 918, 4x 962, 1x 977, 2x 984, 2x 985, 1x 999							
<b>(477) D Dimers (DDim)</b>	[mg/L D Dimer]				31							24	24	100
<b>Sample A 24.37</b>		0,287	0,11	40	31							24	24	100
(921) IL HemosIL D-Dimer HS		0,196	0,011	5,5	12	0	CVPG 0,193	0,008 ±0,081	0,112	0,274		12		
(986) Radiometer AQT90 FLEX D-Dimer		0,383	0,036	9,3	12	0	CVPG 0,381	0,027	27%	0,278	0,484	12		
Other					7	0						0		
							1x 905, 1x 917, 1x 920, 2x 947, 1x 985, 1x 999							
<b>Sample B 24.38</b>		0,51	0,1	20	31							24	24	100
(921) IL HemosIL D-Dimer HS		0,441	0,014	3,2	12	0	CVPG 0,445	0,012	27%	0,324	0,566	12		
(986) Radiometer AQT90 FLEX D-Dimer		0,562	0,067	12	12	0	CVPG 0,564	0,039	27%	0,411	0,717	12		
Other					7	0						0		
							1x 905, 1x 917, 1x 920, 2x 947, 1x 985, 1x 999							