

## EQA round: DD3/23 - D Dimers

Deadline: 15.9.2023

Setup: groups - 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]				231							221	219	99
<b>Vzorek A 23.37</b>		0,33	0,078	24	231							221	221	100
(917) Siemens Innovance D-Dimer		0,339	0,046	14	136	0	CVPG 0,33	0,004 ±0,189	0,141	0,519		136		
(929) Mitsubishi Pathfast D-Dimer		0,457	0,036	8	7	0	CVPG 0,457	0,035 ±0,189	0,268	0,646		7		
(947) Roche Cardiac D-Dimer		0,137	0,032	23	10	0	CVPG 0,144	0,019 ±0,189	0	0,333		10		
(955) Stago Liatest D-Dimer		0,24	0,03	12	5	0	CVPG 0,249	0,017 ±0,189	0,06	0,438		5		
(958) Stago Liatest D-Dimer Plus		0,266	0,036	14	23	0	CVPG 0,256	0,009 ±0,189	0,067	0,445		23		
(976) IL HemosIL D-Dimer HS 500		0,411	0,029	6,9	27	0	CVPG 0,402	0,008 ±0,189	0,213	0,591		27		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,24	0,045	19	6	0	CVPG 0,24	0,055 ±0,189	0,051	0,429		6		
(999) another manufacturer		0,333	0,16	49	5	2						0		
Other					12	0						7		
							3x 900, 1x 918, 4x 962, 2x 984, 2x 985							
<b>Vzorek B 23.38</b>		0,755	0,22	29	231							221	219	99
(917) Siemens Innovance D-Dimer		0,862	0,07	8,1	136	0	CVPG 0,843	0,008	27%	0,615	1,08	136		
(929) Mitsubishi Pathfast D-Dimer		0,911	0,046	5	7	0	CVPG 0,911	0,045	27%	0,665	1,16	7		
(947) Roche Cardiac D-Dimer		0,3	0,059	20	10	0	CVPG 0,307	0,025 ±0,189	0,118	0,496		10		
(955) Stago Liatest D-Dimer		0,395	0,052	13	5	0	CVPG 0,433	0,022 ±0,189	0,244	0,622		5		
(958) Stago Liatest D-Dimer Plus		0,413	0,047	11	23	0	CVPG 0,404	0,013 ±0,189	0,215	0,593		23		
(976) IL HemosIL D-Dimer HS 500		0,818	0,043	5,3	27	0	CVPG 0,77	0,011	27%	0,562	0,978	27		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,411	0,016	4	6	0	CVPG 0,39	0,055 ±0,189	0,201	0,579		6		
(999) another manufacturer		0,67	0,3	45	5	2						0		
Other					12	0						7		
							3x 900, 1x 918, 4x 962, 2x 984, 2x 985							
<b>(477) D Dimers (DDim)</b>	[mg/L D Dimer]				30							26	26	100
<b>Vzorek A 23.37</b>		0,182	0,075	41	30							26	26	100
(921) IL HemosIL D-Dimer HS		0,132	0,019	14	14	0	CVPG 0,139	0,012 ±0,081	0,058	0,22		14		
(986) Radiometer AQT90 FLEX D-Dimer		0,254	0,017	6,6	12	0	CVPG 0,257	0,012 ±0,081	0,176	0,338		12		
Other					4	0						0		
							1x 947, 3x 999							
<b>Vzorek B 23.38</b>		0,336	0,13	39	30							26	26	100
(921) IL HemosIL D-Dimer HS		0,234	0,008	3,6	14	0	CVPG 0,235	0,008 ±0,081	0,154	0,316		14		
(986) Radiometer AQT90 FLEX D-Dimer		0,469	0,046	9,9	12	0	CVPG 0,479	0,034	27%	0,349	0,609	12		
Other					4	0						0		
							1x 947, 3x 999							