

EQA round: DD4/24 - D Dimers

Deadline: 15.11.2024

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]				241							227	206	91
Vzorek A 24.39		0,531	0,16	30	241							227	227	100
(917) Siemens Innovance D-Dimer		0,566	0,041	7,3	132	0	CVPG 0,564	0,005 ±0,189	0,375	0,753		132		
(929) Mitsubishi Pathfast D-Dimer		1,83	0,29	16	8	0	CVPG 1,83	0,22	27%	1,33	2,33	8		
(947) Roche Cardiac D-Dimer		0,297	0,062	21	11	0	CVPG 0,307	0,038 ±0,189	0,118	0,496		11		
(955) Stago Liatest D-Dimer		0,285	0,037	13	5	0	CVPG 0,293	0,025 ±0,189	0,104	0,482		5		
(958) Stago Liatest D-Dimer Plus		0,305	0,041	13	30	0	CVPG 0,296	0,009 ±0,189	0,107	0,485		30		
(976) IL HemosIL D-Dimer HS 500		0,689	0,046	6,7	32	0	CVPG 0,692	0,011 ±0,189	0,503	0,881		32		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,26	0,089	34	7	0	CVPG 0,251	0,05 ±0,189	0,062	0,44		7		
Other					16	1						2		
							2x 900, 1x 901, 1x 902, 1x 918, 3x 962, 1x 977, 2x 984, 2x 985, 3x 999							
Vzorek B 24.40		1,15	0,61	53	241							227	206	91
(917) Siemens Innovance D-Dimer		1,51	0,22	14	132	0	CVPG 1,42	0,019	27%	1,03	1,81	132		
(929) Mitsubishi Pathfast D-Dimer		0,987	0,2	20	8	0	CVPG 0,987	0,15	27%	0,72	1,26	8		
(947) Roche Cardiac D-Dimer		0,266	0,05	19	11	0	CVPG 0,275	0,03 ±0,189	0,086	0,464		11		
(955) Stago Liatest D-Dimer		0,38	0,045	12	5	0	CVPG 0,342	0,028 ±0,189	0,153	0,531		5		
(958) Stago Liatest D-Dimer Plus		0,341	0,064	19	30	0	CVPG 0,326	0,012 ±0,189	0,137	0,515		30		
(976) IL HemosIL D-Dimer HS 500		1,18	0,078	6,6	32	0	CVPG 1,17	0,016	27%	0,854	1,49	32		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,42	0,045	11	7	0	CVPG 0,395	0,042 ±0,189	0,206	0,584		7		
Other					16	1						2		
							2x 900, 1x 901, 1x 902, 1x 918, 3x 962, 1x 977, 2x 984, 2x 985, 3x 999							
(477) D Dimers (DDim)	[mg/L D Dimer]				27							22	22	100
Vzorek A 24.39		0,257	0,057	22	27							22	22	100
(921) IL HemosIL D-Dimer HS		0,215	0,021	9,8	12	0	CVPG 0,223	0,01 ±0,081	0,142	0,304		12		
(986) Radiometer AQT90 FLEX D-Dimer		0,303	0,015	4,8	10	0	CVPG 0,302	0,011	27%	0,22	0,384	10		
Other					5	0						0		
							1x 905, 1x 920, 3x 947							
Vzorek B 24.40		0,338	0,1	30	27							22	22	100
(921) IL HemosIL D-Dimer HS		0,268	0,021	7,7	12	0	CVPG 0,263	0,012 ±0,081	0,182	0,344		12		
(986) Radiometer AQT90 FLEX D-Dimer		0,431	0,046	11	10	0	CVPG 0,433	0,025	27%	0,316	0,55	10		
Other					5	0						0		
							1x 905, 1x 920, 3x 947							