

EQA round: DD1/23 - D Dimers

Deadline: 31.3.2023

Setup: groups - 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]				237							229	227	99
Sample A		0,748	0,23	30	237							229	228	100
(917) Siemens Innovance D-Dimer		0,879	0,066	7,5	141	0	CVPG 0,861	0,007	27%	0,628	1,1	141		
(929) Mitsubishi Pathfast D-Dimer		0,537	0,039	7,3	7	0	CVPG 0,537	0,038 ±0,189	0,348	0,726		7		
(947) Roche Cardiac D-Dimer		0,217	0,052	24	11	0	CVPG 0,218	0,034 ±0,189	0,029	0,407		11		
(955) Stago Liatest D-Dimer		0,42	0,015	3,5	5	0	CVPG 0,42	0,024 ±0,189	0,231	0,609		5		
(958) Stago Liatest D-Dimer Plus		0,458	0,064	14	25	0	CVPG 0,444	0,015 ±0,189	0,255	0,633		25		
(976) IL HemosIL D-Dimer HS 500		0,777	0,046	5,9	29	0	CVPG 0,753	0,013	27%	0,549	0,957	29		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,355	0,022	6,3	5	0	CVPG 0,353	0,028 ±0,189	0,164	0,542		5		
Other					14	0						6		
							2x 900, 2x 918, 4x 962, 2x 965, 2x 984, 2x 985							
Sample B		0,351	0,073	21	237							229	228	100
(917) Siemens Innovance D-Dimer		0,366	0,035	9,6	141	0	CVPG 0,358	0,004 ±0,189	0,169	0,547		141		
(929) Mitsubishi Pathfast D-Dimer		0,466	0,031	6,7	7	0	CVPG 0,466	0,03 ±0,189	0,277	0,655		7		
(947) Roche Cardiac D-Dimer		0,107	0,012	11	11	0	CVPG 0,107	0,008 ±0,189	0	0,296		11		
(955) Stago Liatest D-Dimer		0,305	0,022	7,3	5	0	CVPG 0,283	0,024 ±0,189	0,094	0,472		5		
(958) Stago Liatest D-Dimer Plus		0,274	0,019	6,9	25	0	CVPG 0,269	0,008 ±0,189	0,08	0,458		25		
(976) IL HemosIL D-Dimer HS 500		0,412	0,041	9,9	29	0	CVPG 0,393	0,008 ±0,189	0,204	0,582		29		
(980) Roche Tinaquant 2nd generation (calibration: citrate plasma)		0,22	0,015	6,7	5	0	CVPG 0,216	0,023 ±0,189	0,027	0,405		5		
Other					14	0						6		
							2x 900, 2x 918, 4x 962, 2x 965, 2x 984, 2x 985							
(477) D Dimers (DDim)	[mg/L D Dimer]				30							27	25	93
Sample A		0,3	0,11	38	30							27	25	93
(921) IL HemosIL D-Dimer HS		0,233	0,015	6,2	14	0	CVPG 0,23	0,009 ±0,081	0,149	0,311		14		
(986) Radiometer AQT90 FLEX D-Dimer		0,411	0,046	11	12	2	CVPG 0,421	0,034	27%	0,307	0,535	12		
Other					4	0						1		
							1x 920, 1x 947, 2x 999							
Sample B		0,178	0,064	36	30							27	25	93
(921) IL HemosIL D-Dimer HS		0,143	0,021	14	14	0	CVPG 0,139	0,008 ±0,081	0,058	0,22		14		
(986) Radiometer AQT90 FLEX D-Dimer		0,236	0,026	11	12	2	CVPG 0,24	0,016 ±0,081	0,159	0,321		12		
Other					4	0						1		
							1x 920, 1x 947, 2x 999							