

Summary statistics - quantitative results

(Groups: manufacturer of kit)

Filter: minimal size of the groups n = 5

EQA round: IFT1/22 - Immunophenotypisation

Deadline: 11.04.2022

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of the participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(253) CD 3+ T lymphocytes					103							103	98	95%
— Samples and groups	[%]													
Sample A		80,8	1,1	1,4	103	CVP	80,8	0,27	7%	75,1	86,5	103	99	96%
(12) Beckman Coulter		80,5	1,1	1,4	54	0						54		
(88) Becton Dickinson		80,8	1,3	1,7	19	0						19		
(177) Mindray		81,5	0,82	1,0	9	0						9		
(190) Exbio Praha		81,2	0,66	0,82	15	0						15		
Other					6	0						6		
							1x 28, 4x 36, 1x 999							
Sample B		79,4	1,2	1,5	103	CVP	79,4	0,29	7%	73,8	85	103	101	98%
(12) Beckman Coulter		79,1	1,1	1,3	54	0						54		
(88) Becton Dickinson		79,2	1,4	1,8	19	0						19		
(177) Mindray		79,5	0,74	0,93	9	0						9		
(190) Exbio Praha		80,4	1,6	2,0	15	0						15		
Other					6	0						6		
							1x 28, 4x 36, 1x 999							
(254) CD 4+ T lymphocytes					103							103	99	96%
— Samples and groups	[%]													
Sample A		44,8	1,3	3,0	103	CVP	44,8	0,33	10%	40,3	49,3	103	100	97%
(12) Beckman Coulter		44,9	1,2	2,7	56	0						56		
(88) Becton Dickinson		43,7	2,5	5,6	19	0						19		
(177) Mindray		45,1	1,6	3,5	9	0						9		
(190) Exbio Praha		44,9	1,3	2,9	12	0						12		
Other					7	0						7		
							4x 36, 2x 166, 1x 999							
Sample B		46,5	1,4	3,0	103	CVP	46,5	0,34	10%	41,8	51,2	103	99	96%
(12) Beckman Coulter		46,7	1,1	2,3	56	0						56		
(88) Becton Dickinson		45,6	2,5	5,4	19	0						19		
(177) Mindray		46,6	0,96	2,1	9	0						9		
(190) Exbio Praha		46,6	1,3	2,9	12	0						12		
Other					7	0						7		
							4x 36, 2x 166, 1x 999							
(255) CD 8+ T lymphocytes					103							103	98	95%
— Samples and groups	[%]													
Sample A		31,4	2,5	8,1	103	CVP	31,4	0,61	17%	26	36,8	103	100	97%
(12) Beckman Coulter		30,9	2,3	7,4	55	0						55		
(88) Becton Dickinson		32,4	3,2	9,8	17	0						17		
(177) Mindray		33,2	0,59	1,8	9	0						9		
(190) Exbio Praha		30,2	2,1	6,8	14	0						14		
Other					8	0						8		
							1x 28, 4x 36, 2x 166, 1x 999							
Sample B		25,3	1,3	5,2	103	CVP	25,3	0,31	17%	20,9	29,7	103	100	97%
(12) Beckman Coulter		24,8	1,3	5,4	55	0						55		
(88) Becton Dickinson		26,0	1,1	4,3	17	0						17		
(177) Mindray		25,8	0,37	1,4	9	0						9		
(190) Exbio Praha		24,9	0,98	3,9	14	0						14		
Other					8	0						8		
							1x 28, 4x 36, 2x 166, 1x 999							
(256) B lymphocytes					103							103	101	98%
— Samples and groups	[%]													
Sample A		7,58	0,74	9,8	103	CVP	7,58	0,18	30%	5,3	9,86	103	101	98%
(12) Beckman Coulter		7,60	0,84	11	59	0						59		
(36) Immunotech		7,50	0,74	9,9	6	0						6		
(88) Becton Dickinson		7,42	0,68	9,2	16	0						16		
(177) Mindray		7,54	0,59	7,9	9	0						9		
(190) Exbio Praha		7,71	0,49	6,4	12	0						12		
Other					1	0						1		
							1x 999							
Sample B		11,0	0,87	7,9	103	CVP	11	0,21	30%	7,7	14,3	103	101	98%
(12) Beckman Coulter		10,9	0,84	7,7	59	0						59		
(36) Immunotech		10,9	1,6	15	6	0						6		
(88) Becton Dickinson		11,3	1,0	9,2	16	0						16		
(177) Mindray		10,9	0,52	4,8	9	0						9		
(190) Exbio Praha		11,0	0,61	5,5	12	0						12		
Other					1	0						1		
							1x 999							

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Test	[unit]	ROM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(257) NK cells					103								103	95	92%
----- Samples and groups -----	[%]														
Sample A		10,3	0,75	7,3	103		CVP	10,3	0,18	26%	7,62	13	103	98	95%
(12) Beckman Coulter		10,4	0,67	6,5	55	0							55		
(88) Becton Dickinson		10,5	0,95	9,1	18	0							18		
(177) Mindray		10,5	0,74	7,1	9	0							9		
(190) Exbio Praha		10,1	0,69	6,9	15	0							15		
Other					6	0							6		
							4x 36, 1x 63, 1x 999								
Sample B		8,25	0,80	9,7	103		CVP	8,25	0,19	26%	6,1	10,4	103	96	93%
(12) Beckman Coulter		8,40	0,68	8,1	55	0							55		
(88) Becton Dickinson		8,39	1,0	12	18	0							18		
(177) Mindray		7,94	0,56	7,0	9	0							9		
(190) Exbio Praha		7,84	0,90	11	15	0							15		
Other					6	0							6		
							4x 36, 1x 63, 1x 999								

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End of report

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