

EQA round: T13/24 - Immunophenotypisation (study)

Deadline: 21.10.2024

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

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	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				
(637) B lymphocytes (CD5+CD19+)	[% of B]				5							5	5	100	
Sample A		13,8	4	29	5		CVP	14,5	5,4	100%	0	29	5	5	100
Other					5	0	1x 12, 1x 36, 3x 88					5			
Sample B		13,3	0,89	6,7	5		CVP	14,7	5,2	100%	0	29,4	5	5	100
Other					5	0	1x 12, 1x 36, 3x 88					5			
(638) Isotype switched memory B lymphocytes (CD19+CD27+IgD-)	[% of B]				4							4	2	50	
Sample A		17	8,9	52	4		CVP	13,5	1,3	28%	9,72	17,3	4	3	75
Other					4	0	1x 36, 3x 88					4			
Sample B		6,3	8,9	140	4		CVP	0,771	0,72	100%	0	1,55	4	2	50
Other					4	0	1x 36, 3x 88					4			
(639) Naive B lymphocytes (CD19+CD27-IgD+)	[% of B]				4							4	3	75	
Sample A		49,8	38	76	4		CVP	71	3	14%	61	81	4	3	75
Other					4	0	1x 36, 3x 88					4			
Sample B		63,8	43	67	4		CVP	90,5	4,6	14%	77,8	104	4	3	75
Other					4	0	1x 36, 3x 88					4			
(640) Activated T lymphocytes (HLA-DR+)	[% of T]				12							12	11	92	
Sample A		7,51	4,3	57	12		CVP	8,87	1,9	100%	0	17,8	12	12	100
(12) Beckman Coulter		8,05	3	38	6	0						6			
Other					6	0	1x 36, 4x 88, 1x 999					6			
Sample B		8,61	5,1	60	12		CVP	11,2	2,7	100%	0	22,4	12	11	92
(12) Beckman Coulter		9,05	1,1	12	6	0						6			
Other					6	1	1x 36, 4x 88, 1x 999					6			
(641) gamma-delta T lymphocytes (CD3+TcRγδ+)	[% of T]				4							4	3	75	
Sample A		13,3	8,7	66	4		CVP	8,4	0,61	28%	6,04	10,8	4	3	75
Other					4	0	1x 12, 1x 36, 2x 88					4			
Sample B		4,15	4,4	110	4		CVP	2,41	1,1	100%	0	4,82	4	3	75
Other					4	0	1x 12, 1x 36, 2x 88					4			
(642) T regulatory lymphocytes (CD3+CD4+CD25+CD127low)	[% of Th]				6							6	6	100	
Sample A		4,2	3,4	81	6		CVP	6,17	1,9	100%	0	12,4	6	6	100
Other					6	0	1x 12, 1x 36, 3x 88, 1x 999					6			
Sample B		3,82	2,2	58	6		CVP	5,23	1,6	100%	0	10,5	6	6	100
Other					6	0	1x 12, 1x 36, 3x 88, 1x 999					6			