

Filter: Slovakia, minimal size of the groups n = 5

## EQA round: VVV2/20 - Maternal Diagnostic Screening (Triple Test)

Deadline: 04.12.2020

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 <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability												
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>Set 1</b>														
<b>(238) free beta-hCG</b>														
Samples and groups		[U/L]			10						10	8	80%	
<b>Sample A1</b>														
(60) Roche		96,2	16	16	10						10	9	90%	
Other		89,4	7,6	8,5	8	0	CVPG	92	2,0	15%	78,2	106	8	
					2	0						2		
								2x 24						
<b>Sample B1</b>														
(60) Roche		259	54	21	10						10	8	80%	
Other		229	58	25	8	0	CVPG	263	6,8	15%	223	303	8	
					2	0						2		
								2x 24						
<b>(239) PAPP-A</b>														
Samples and groups		[U/L]			13						10	10	100%	
<b>Sample A1</b>														
(60) Roche		0,075	0,016	22	13						10	10	100%	
Other		0,075	0,008	11	7	0	CVPG	0,072	,0015±0,015	0,057	0,087	7		
					6	0						3		
								3x 24, 3x 29						
<b>Sample B1</b>														
(60) Roche		0,463	0,15	31	13						10	10	100%	
Other		0,422	0,032	7,6	7	0	CVPG	0,423	,0092	15%	0,359	0,487	7	
					6	0						3		
								3x 24, 3x 29						
<b>(370) AFP</b>														
Samples and groups		[µg/L]			14						14	13	93%	
<b>Sample A1</b>														
(12) Beckman Coulter		20,5	2,0	9,5	14						14	13	93%	
(60) Roche		19,3	0,37	1,9	5	0	CVPG	19,3	0,64	20%	15,4	23,2	5	
Other		21,8	1,8	8,2	5	0	CVPG	22,1	0,89	20%	17,6	26,6	5	
					4	0						4		
								1x 1, 3x 179						
<b>Sample B1</b>														
(12) Beckman Coulter		14,6	1,5	10	14						14	14	100%	
(60) Roche		13,8	0,76	5,5	5	0	CVPG	13,8	0,42	20%	11	16,6	5	
Other		15,5	1,8	12	5	0	CVPG	15,5	0,73	20%	12,4	18,6	5	
					4	0						4		
								1x 1, 3x 179						
<b>(373) hCG</b>														
Samples and groups		[kU/L]			14						11	9	82%	
<b>Sample A1</b>														
(60) Roche		13,0	2,5	19	14						11	11	100%	
Other		11,3	1,3	11	5	0	CVPG	11,8	0,43	18%	9,67	14	5	
					9	0						6		
								1x 1, 4x 12, 1x 29, 1x 36, 2x 179						
<b>Sample B1</b>														
(60) Roche		37,4	7,7	21	14						11	9	82%	
Other		33,2	2,0	6,0	5	0	CVPG	34,4	1,1	18%	28,2	40,6	5	
					9	0						6		
								1x 1, 4x 12, 1x 29, 1x 36, 2x 179						
<b>Set 2</b>														
<b>(375) Estriol unconjug.</b>														
Samples and groups		[nmol/L]			12						11	10	91%	
<b>Sample A2</b>														
(12) Beckman Coulter		6,96	1,7	25	12						11	10	91%	
(29) Siemens (Immulin)		8,19	0,21	2,6	5	0	CVPG	8,02	0,27	33%	5,37	10,7	5	
Other		5,86	1,8	31	6	0	CVPG	6,57	0,80	33%	4,4	8,74	6	
					1	0						0		
								1x 999						
<b>Sample B2</b>														
(12) Beckman Coulter		31,0	13	41	12						11	10	91%	
(29) Siemens (Immulin)		39,3	2,0	5,0	5	0	CVPG	36,5	2,5	33%	24,4	48,6	5	
Other		22,3	5,9	26	6	0	CVPG	25,5	2,1	33%	17	34	6	
					1	0						0		
								1x 999						
<b>1. trimester</b>														
<b>(240) free beta-hCG (MoM)</b>														
Samples and groups		[MoM]			8						8	7	88%	
<b>Mother X1</b>														
(60) Roche		2,68	0,45	17	8						8	7	88%	
Other		2,68	0,45	17	7	0	CVPG	2,63	0,13	33%	1,76	3,5	7	
					1	0						1		
								1x 24						
<b>Mother Y1</b>														
(60) Roche		5,54	0,36	6,6	8						8	7	88%	
Other		5,54	0,36	6,6	7	0	CVPG	5,84	0,27	33%	3,91	7,77	7	
					1	0						1		
								1x 24						

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Test	[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>(241) PAPP-A (MoM)</b>	[MoM]				12								9	8	89%
Samples and groups															
<b>Mother X1</b>		0,021	0,007	35	12								9	9	100%
(60) Roche		0,020	0,000	0,00	7	0	CVPG	0,02		33%	0,013	0,027	7		
Other					5	0							2		
----- 2x 24, 3x 29 -----															
<b>Mother Y1</b>		0,207	0,057	28	12								9	8	89%
(60) Roche		0,195	0,037	19	7	0	CVPG	0,192	0,011	33%	0,128	0,256	7		
Other					5	0							2		
----- 2x 24, 3x 29 -----															
<b>2. trimester</b>															
<b>(380) AFP (MoM)</b>	[MoM]				14								14	12	86%
Samples and groups															
<b>Mother X2</b>		0,581	0,061	10	14		CVP	0,567	0,018	23%	0,436	0,698	14	12	86%
All results		0,581	0,061	10	14	0							14		
<b>Mother Y2</b>		0,408	0,032	7,9	14		CVP	0,403	0,013	23%	0,31	0,496	14	13	93%
All results		0,408	0,032	7,9	14	0							14		
<b>(382) hCG (MoM)</b>	[MoM]				14								11	10	91%
Samples and groups															
<b>Mother X2</b>		0,457	0,11	24	14								11	10	91%
(60) Roche		0,380	0,015	3,9	5	0	CVPG	0,454	0,056	33%	0,304	0,604	5		
Other					9	0							6		
----- 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 -----															
<b>Mother Y2</b>		1,29	0,27	21	14								11	10	91%
(60) Roche		1,15	0,037	3,2	5	0	CVPG	1,32	0,16	33%	0,884	1,76	5		
Other					9	0							6		
----- 1x 1, 4x 12, 1x 29, 1x 36, 2x 179 -----															
<b>(384) Estriol unconjug. (MoM)</b>	[MoM]				12								11	8	73%
Samples and groups															
<b>Mother X2</b>		2,84	1,2	42	12								11	8	73%
(12) Beckman Coulter		2,27	0,47	21	5	0	CVPG	2,48	0,13	33%	1,66	3,3	5		
(29) Siemens (Immulin)		3,17	0,74	23	6	0	CVPG	3,47	0,40	33%	2,32	4,62	6		
Other					1	0							0		
----- 1x 999 -----															
<b>Mother Y2</b>		12,2	2,8	23	12								11	9	82%
(12) Beckman Coulter		11,1	1,4	12	5	0	CVPG	11,2	1,0	33%	7,5	14,9	5		
(29) Siemens (Immulin)		12,0	2,0	17	6	0	CVPG	13,1	1,2	33%	8,77	17,5	6		
Other					1	0							0		
----- 1x 999 -----															

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End of report

Printed: 10.12.2020