

EQA round: CRC1/23 - Colorectal Carcinoma

Deadline: 1.5.2023

Setup: all data

AV = assigned value

CVE = consensus of the experts

>>> ... expected result

> ... acceptable result

± ... result not assessed

N_{tot} = total number of the resultsN_{rel} = relative number of the resultsN_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{rel} = relative success

Test Sample Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(1130) KRAS		43			43	38	88
Sample A		43			43	38	88
All results		3	7	No mutation detected			
	>	12	28	Exon 3 mutation (unable to specify in detail)			
		1	2,3	c.35G>A,p.G12D			
		1	2,3	c.181C>A,p.Q61K			
	CVE >>>	26	60	c.175G>A,p.A59T			
Sample B		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample C		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample D		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample E		43			43	43	100
All results	>	2	4,7	Exon 2 mutation (unable to specify in detail)			
	CVE >>>	41	95	c.34G>T,p.G12C			
(1131) NRAS		43			43	40	93
Sample A		43			43	42	98
All results	CVE >>>	37	86	No mutation detected			
	>	5	12	Not tested because another mutation was found			
		1	2,3	c.35G>C,p.G12A			
Sample B		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample C		43			43	42	98
All results	CVE >>>	42	98	No mutation detected			
		1	2,3	c.35G>C,p.G12A			
Sample D		43			43	42	98
All results	>	2	4,7	Exon 2 mutation (unable to specify in detail)			
	CVE >>>	40	93	c.35G>A,p.G12D			
		1	2,3	c.35G>C,p.G12A			
Sample E		43			43	42	98
All results		1	2,3	Not specified			
	CVE >>>	36	84	No mutation detected			
	>	6	14	Not tested because another mutation was found			
(1132) BRAF		43			43	37	86
Sample A		43			43	43	100
All results	CVE >>>	38	88	No mutation detected			
	>	5	12	Not tested because another mutation was found			
Sample B		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample C		43			43	37	86
All results		3	7	No mutation detected			
	>	7	16	Exon 15 mutation (unable to specify in detail)			
		3	7	c.1799_1800delinsAA,p.V600E			
	CVE >>>	30	70	c.1799T>A,p.V600E			
Sample D		43			43	43	100
All results	CVE >>>	43	100	No mutation detected			
Sample E		43			43	42	98
All results	CVE >>>	36	84	No mutation detected			
	>	6	14	Not tested because another mutation was found			
		1	2,3	Exon 15 mutation (unable to specify in detail)			