

EQA round: CRC2/23 - Colorectal Carcinoma

Deadline: 19.9.2023

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		44			44	41	93
Sample A		44			44	44	100
All results	>	2	4,5	Exon 2 mutation (unable to specify in detail)			
	CVE >>>	42	95	c.38G>A,p.G13D			
Sample B		44			44	44	100
All results	CVE >>>	44	100	No mutation detected			
Sample C		44			44	44	100
All results	CVE >>>	44	100	No mutation detected			
Sample D		44			44	44	100
All results	CVE >>>	44	100	No mutation detected			
Sample E		44			44	41	93
All results		1	2,3	Not specified			
		2	4,5	No mutation detected			
	>	8	18	Exon 3 mutation (unable to specify in detail)			
	>	7	16	c.182A>T,p.Q61L			
	CVE >>>	18	41	c.182_183delinsTC,p.Q61L			
	>	8	18	c.183A>C,p.Q61H			
(1131) NRAS		44			44	41	93
Sample A		44			44	44	100
All results	CVE >>>	40	91	No mutation detected			
	>	4	9,1	Not tested because another mutation was found			
Sample B		44			44	43	98
All results	CVE >>>	43	98	No mutation detected			
		1	2,3	Exon 2 mutation (unable to specify in detail)			
Sample C		44			44	44	100
All results	>	3	6,8	Exon 3 mutation (unable to specify in detail)			
	CVE >>>	41	93	c.181C>A,p.Q61K			
Sample D		44			44	43	98
All results	CVE >>>	43	98	No mutation detected			
		1	2,3	c.35G>A,p.G12D			
Sample E		44			44	43	98
All results		1	2,3	Not specified			
	CVE >>>	39	89	No mutation detected			
	>	4	9,1	Not tested because another mutation was found			
(1132) BRAF		44			44	43	98
Sample A		44			44	44	100
All results	CVE >>>	40	91	No mutation detected			
	>	4	9,1	Not tested because another mutation was found			
Sample B		44			44	44	100
All results	CVE >>>	44	100	No mutation detected			
Sample C		44			44	44	100
All results	CVE >>>	44	100	No mutation detected			
Sample D		44			44	44	100
All results	>	13	30	Exon 15 mutation (unable to specify in detail)			
	CVE >>>	31	70	c.1799T>A,p.V600E			
Sample E		44			44	43	98
All results		1	2,3	Not specified			
	CVE >>>	39	89	No mutation detected			
	>	4	9,1	Not tested because another mutation was found			