

## EQA round: CRC1/24 - Colorectal Carcinoma

Deadline: 30.4.2024

Setup: all data

AV = assigned value	N <sub>tot</sub> = total number of the results	N <sub>eva</sub> = number of the results assessed
CVE = consensus of the experts	N <sub>rel</sub> = relative number of the results	N <sub>suc</sub> = number of successful results
CVPG = consensus of the participants' groups		S <sub>rel</sub> = relative success
>>> ... expected result		
> ... acceptable result		
± ... result not assessed		

Test Sample Group	Frequency of the results				Success		
	AV	N <sub>tot</sub>	N <sub>rel</sub> [%]	Result	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
<b>(1130) KRAS</b>		49			49	47	96
<b>Sample A</b>		49			49	47	96
All results (without individual groups)	>	1	2	Exon 2 mutation (unable to specify in detail)			
		1	2	c.35G>T,p.G12V			
		1	2	c.37G>A,p.G13S			
	CVE >>>	29	59	c.37G>T,p.G13C			
(15) Biocartis: Idylla KRAS Mutation Test	>	8	16	No mutation detected			
	>	2	4,1	Exon 3 mutation (unable to specify in detail)			
	>	3	6,1	c.183A>C,p.Q61H			
(16) Diatech Pharmacogenetics: EasyPGX KRAS	>	1	2	No mutation detected			
	>	1	2	Exon 3 mutation (unable to specify in detail)			
(19) EntroGen: KRAS Mutation Analysis Kit	>	1	2	No mutation detected			
	>	1	2	c.183A>C,p.Q61H			
<b>Sample B</b>		49			49	49	100
All results	CVE >>>	49	100	No mutation detected			
<b>Sample C</b>		49			49	49	100
All results	CVE >>>	49	100	No mutation detected			
<b>Sample D</b>		49			49	49	100
All results	>	2	4,1	Exon 2 mutation (unable to specify in detail)			
	CVE >>>	47	96	c.35G>A,p.G12D			
<b>Sample E</b>		49			49	49	100
All results	CVE >>>	48	98	No mutation detected			
	>	1	2	Not tested because another mutation was found			
<b>(1131) NRAS</b>		49			49	47	96
<b>Sample A</b>		49			49	48	98
All results	CVE >>>	46	94	No mutation detected			
	>	2	4,1	Not tested because another mutation was found			
		1	2	Other mutation			
<b>Sample B</b>		49			49	49	100
All results	CVE >>>	49	100	No mutation detected			
<b>Sample C</b>		49			49	48	98
All results	>	1	2	Exon 3 mutation (unable to specify in detail)			
		1	2	Exon 4 mutation (unable to specify in detail)			
	CVE >>>	47	96	c.182A>T,p.Q61L			
<b>Sample D</b>		49			49	49	100
All results	CVE >>>	44	90	No mutation detected			
	>	5	10	Not tested because another mutation was found			
<b>Sample E</b>		49			49	49	100
All results	CVE >>>	48	98	No mutation detected			
	>	1	2	Not tested because another mutation was found			
<b>(1132) BRAF</b>		49			49	47	96
<b>Sample A</b>		49			49	49	100
All results	CVE >>>	47	96	No mutation detected			
	>	2	4,1	Not tested because another mutation was found			
<b>Sample B</b>		49			49	49	100
All results	CVE >>>	49	100	No mutation detected			
<b>Sample C</b>		49			49	49	100
All results	CVE >>>	49	100	No mutation detected			
<b>Sample D</b>		49			49	49	100
All results	CVE >>>	44	90	No mutation detected			
	>	5	10	Not tested because another mutation was found			
<b>Sample E</b>		49			49	47	96
All results	>	13	27	Exon 15 mutation (unable to specify in detail)			
		2	4,1	c.1799_1800delinsAA,p.V600E			
	CVE >>>	34	69	c.1799T>A,p.V600E			