

## EQA round: CRC1/20 - Colorectal Carcinoma

Key:	>>> ... marks correct (expected) result	N ... number of the results
	> ... marks conditionally correct (acceptable) result	Nrel ... relative number of the results
	± ... marks the result not evaluated	

## Test

Sample	Group	N	Result	N <sub>rel</sub>
<b>Mutations testing</b>				
<b>(1130) KRAS</b>				
A	All results	>>> 44	No mutation detected	98 %
		> 1	Exon 2 mutation (unable to specify in detail)	2,2 %
	Total per sample: n = 45	Success: 100 %		
B	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
C	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
D	All results	>>> 42	c.35G>A,p.G12D	93 %
		> 3	Exon 2 mutation (unable to specify in detail)	6,7 %
	Total per sample: n = 45	Success: 100 %		
E	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
F	All results	>>> 42	c.38G>A,p.G13D	93 %
		> 3	Exon 2 mutation (unable to specify in detail)	6,7 %
	Total per sample: n = 45	Success: 100 %		
G	All results	2	No mutation detected	4,4 %
		>>> 40	c.35G>T,p.G12V	89 %
		> 3	Exon 2 mutation (unable to specify in detail)	6,7 %
	Total per sample: n = 45	Success: 96 %		
H	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
I	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
J	All results	>>> 45	No mutation detected	100 %
	Total per sample: n = 45	Success: 100 %		
Total success: 96 %				

**(1131) NRAS**

A	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
B	All results	>>> 42	No mutation detected	95 %
		> 2	Not tested due to KRAS or BRAF positivity	4,5 %
	Total per sample: n = 44	Success: 100 %		
C	All results	>>> 43	No mutation detected	98 %
		1	Other mutation	2,3 %
	Total per sample: n = 44	Success: 98 %		
D	All results	>>> 40	No mutation detected	91 %
		> 4	Not tested due to KRAS or BRAF positivity	9,1 %
	Total per sample: n = 44	Success: 100 %		
E	All results	>>> 41	c.181C>A,p.Q61K	93 %
		> 3	Exon 3 mutation (unable to specify in detail)	6,8 %
	Total per sample: n = 44	Success: 100 %		
F	All results	>>> 40	No mutation detected	91 %
		> 4	Not tested due to KRAS or BRAF positivity	9,1 %
	Total per sample: n = 44	Success: 100 %		
G	All results	>>> 40	No mutation detected	91 %
		> 4	Not tested due to KRAS or BRAF positivity	9,1 %
	Total per sample: n = 44	Success: 100 %		
H	All results	>>> 42	No mutation detected	95 %
		> 2	Not tested due to KRAS or BRAF positivity	4,5 %
	Total per sample: n = 44	Success: 100 %		
I	All results	>>> 41	c.35G>A,p.G12D	93 %
		> 3	Exon 2 mutation (unable to specify in detail)	6,8 %
	Total per sample: n = 44	Success: 100 %		
J	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
Total success: 98 %				

**(1132) BRAF**

A	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
B	All results	>>> 37	c.1799T>A,p.V600E	84 %
		> 7	Exon 15 mutation (unable to specify in detail)	16 %
	Total per sample: n = 44	Success: 100 %		
C	All results	1	Not specified	2,3 %
		>>> 43	No mutation detected	98 %

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Sample	Group	N	Result	N <sub>rel</sub>
	Total per sample: n = 44	Success: 98 %		
D	All results	>>> 41	No mutation detected	93 %
		> 3	Not tested due to KRAS positivity	6,8 %
	Total per sample: n = 44	Success: 100 %		
E	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
F	All results	>>> 41	No mutation detected	93 %
		> 3	Not tested due to KRAS positivity	6,8 %
	Total per sample: n = 44	Success: 100 %		
G	All results	>>> 40	No mutation detected	91 %
		> 3	Not tested due to KRAS positivity	6,8 %
		1	Other mutation	2,3 %
	Total per sample: n = 44	Success: 98 %		
H	All results	1	c.1799_1800delinsAA,p.V600E	2,3 %
		>>> 37	c.1799T>A,p.V600E	84 %
		> 6	Exon 15 mutation (unable to specify in detail)	14 %
	Total per sample: n = 44	Success: 98 %		
I	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
J	All results	>>> 44	No mutation detected	100 %
	Total per sample: n = 44	Success: 100 %		
Total success: 93 %				

## Post-analytical phase

## (1133) Laboratory report

Report	All results	> 2	The report not sent (relevant reason given)	4,4 %
		>>> 43	The report was sent	96 %
	Total per sample: n = 45	Success: 100 %		
Total success: 100 %				

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End of report

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