



KRAS/BRAF MUTATION ANALYSIS

Synonym(s):

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Lab Section Category	Molecular Diagnostics - Oncology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	This assay detects 18 mutations in codons 12, 13, 61, 117 and 146 of the <i>KRAS</i> gene and V600E in exon 15 of the <i>BRAF</i> gene. The presence of these mutations correlates with a lack of response to certain EGFR inhibitor cancer therapies in metastatic colorectal cancer patients.
Specimen Required	Paraffin embedded tissue block sent to the Histopathology Section. Alternatively, unstained slides can be sent to the Histopathology Section. Note : - At least 8 sections of 8 µm thickness, or 12 sections of 5 µm thickness for smaller biopsies should be sent together with one H&E slide, 4 µm thick with a coverslip as a reference slide. - Tumour content must be indicated and must be at least 30%.
Method	EntroGen KRAS/BRAF Mutation Analysis Kit (v1.2), using allele-specific real-time PCR.
Test Result	Detected, Not Detected or Inconclusive
Turnaround Time	10 days
Day(s) Test Set up	Variable

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Change History Notes

- **15 Jan 2013 08:40 AM**
Turnaround time updated on 15.1.2013.

- **16 Jan 2015 04:50 PM**

Title: Title has been last updated on 16/01/15.

Indications: Indications has been last updated on 16/01/15.

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- **19 Jan 2015 08:34 AM**

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- **16 Jan 2017 02:42 PM**

Turnaround Time: Last updated on 16/01/17.

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