



## NRAS Mutation Analysis Test

### Synonym(s):

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<b>Lab Section Category</b>	<b>Molecular Diagnostics - Oncology</b> Click here to find out more about the <b>write-up</b> ( <a href="#">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx</a> ).
<b>Indications</b>	This test complements the <i>KRAS/BRAF</i> Mutation Analysis Test and is indicated in the setting of metastatic colorectal cancer whereby the first round of screening for mutations in <i>KRAS</i> oncogene exons 2, 3 and 4 is already negative, i.e. to look for specific mutations in exons 2, 3 and 4 of the <i>NRAS</i> gene. The presence of certain <i>NRAS</i> mutations correlates with a lack of response to certain EGFR inhibitor cancer therapies in metastatic colorectal cancer patients.
<b>Specimen Required</b>	Paraffin embedded tissue block sent to the Histopathology Section.  Alternatively, unstained slides can be sent to the Histopathology Section. 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%.
<b>Method</b>	Direct PCR sequencing (In-house test)
<b>Test Result</b>	Specific mutations detected, No mutations Detected or Inconclusive
<b>Turnaround Time</b>	5-10 days

<b>Day(s) Test Set up</b>	Variable
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## Change History Notes

- **21 Feb 2014 09:21 AM**  
New test available w.e.f. 24 February 2014

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- **19 Jan 2015 11:00 AM**  
Title: Title has been last updated on 19/01/15.  
Indications: Indications has been last updated on 19/01/15.

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- **29 Apr 2015 03:00 PM**  
Day(s) Test Set-Up: Day(s) Test Set-Up has been last updated on 29/04/15.

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