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BRAF MUTATION ANALYSIS BY SEQUENCING FOR MELANOMA

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/moleculardiagnostics.aspx).**
Indications	The test is used for detection of BRAF mutations in codons 594 - 601 (c.1780-c.1803) in exon 15 of the BRAF gene from Melanoma FFPE samples. 1. As a prognostic and highly predictive factor of increased response to therapy with BRAF inhibitors. 2. Assessment of clonal identity in multifocal melanoma lesions.
Specimen Required	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 micrometers thickness, or 12 sections of 5 micrometers thickness for smaller biopsies should be sent together with one H&E slide, 4 micrometers thick with a coverslip as a reference slide. Tumour content must be indicated and must be at least 30%.
Method	Direct PCR sequencing (in-house test)
Test Result	Specific mutations detected, No mutations Detected or Inconclusive
Turnaround Time	5 - 10 days
Day(s) Test Set up	Variable

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Change History Notes

- **16 Mar 2012 10:44 AM**
  New test available w.e.f. 19 March 2012
  Title: Title has been updated w.e.f. 21 March 2014.