



PDGFRA Mutation Analysis (Exons 12, 14 and 18)

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	Screening of GIST tumor samples for mutations in the <i>PDGFRA</i> gene may be helpful in the diagnosis, prognostication and management of patients with GIST. These assays detect mutations from formalin-fixed paraffin-embedded GIST samples.
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 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	Polymerase Chain Reaction followed by direct Sanger Sequencing (In-house test)
Test Result	Detected, Not Detected or Inconclusive
Turnaround Time	5-10 days
Day(s) Test Set up	Variable

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Change History Notes

- **05 Dec 2012 04:40 PM**
New test available w.e.f. 10 December 2012
- **04 Dec 2015 12:36 PM**
Turnaround Time: Turnaround Time has been updated on 04/12/15.

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