



EGFR Mutation Test

Synonym(s): EGFR

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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 at least 36 previously described mutations in exons 18, 19, 20 and 21 of the epidermal growth factor receptor (EGFR) gene. The presence of some of these mutations correlates with better prognosis and better response to certain EGFR inhibitor cancer therapies in non-small cell lung carcinoma (NSCLC) 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 μ m thickness, or 12 sections of 5 μ m thickness for smaller biopsies should be sent together with one H&E slide, 4 μ m 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	10 days
Day(s) Test Set up	Monday and Wednesday

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Change History Notes

- **14 Jan 2013 05:14 PM**
Updated Turnaround Time to within 10 days

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