



EGFR Real-time PCR

Synonym(s):

[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

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	The test is intended to be used to identify patients with advanced NSCLC whose tumors harbor mutations in exons 18, 19, 20 and 21 of the EGFR gene, and to select patients for treatment with small molecule tyrosine kinase inhibitors (TKIs) that target EGFR, and where the sample tumour content is low (i.e. less 30%). Sanger sequencing is currently still the method of choice for samples with tumour content of 30% or higher.
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 10%.
Method	Real Time Allele-Specific Polymerase Chain Reaction (Roche cobas® EGFR Mutation Test V2)
Test Result	Detected, Not Detected or Inconclusive
Turnaround Time	5 working days
Day(s) Test Set up	Variable

[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

Change History Notes

- 01 Jul 2014 02:31 PM**
New test available w.e.f. 01 July 2014.

- 16 Jan 2017 10:37 AM**
Method: Method last updated on 16/01/17.

