

Gene Rearrangement Detection

EML4 - ALK



Mutation Assay



The EML4-ALK (echinoderm microtubule-associated protein-like 4 – anaplastic lymphoma kinase) fusion gene is found in some NSCLC (non-small-cell lung carcinoma) patients. ALK inhibitors currently in development act against this fusion protein and are bringing new hope for treatment of these cancers. This assay detects the presence of the fusion gene to determine who will benefit most from these new drugs. Detection of this fusion gene means that patients will not be treated as a homogenous population but with targeted agents customized to the genetic makeup of their tumors.