

Beaumont

Beaumont Laboratory

Lung Cancer ALK Rearrangements by FISH

Effective Date: February 06, 2016

The Advanced Diagnostics Laboratory in Beaumont Royal Oak's Department of Pathology and Laboratory Medicine will offer a FISH assay for the detection of the rearrangements of the anaplastic lymphoma kinase gene (ALK) 2p23 locus in chromosome 2. This test is designed for patients with adenocarcinoma of the lung. This is a modified FDA approved FISH assay produced by Abbott Laboratories.

Synonyms	FISH, ALK, Anaplastic Lymphoma Kinase, Lung Cancer, Lung Adenocarcinoma, Non-small Cell Lung Cancer (NSCLC), Crizotinib
Instructions	Submit formalin fixed, paraffin embedded tumor tissue block with corresponding H&E stained slide (blank slides and paraffin shavings not accepted).
Specimen Collection Criteria	Maintain paraffin-embedded tissue at room temperature (20-25°C or 68-77°F). DO NOT REFRIGERATE OR FREEZE TISSUE BLOCKS
Specimen Preparation for Courier Transport	Transport tissue blocks at room temperature (20-25°C or 68-77°F).
Rejection Criteria	Specimens that are treated with non-approved decalcifying agents or fixatives other than 10% neutral-buffered formalin, or that have been improperly labeled will not be tested.
Performed	Once per week, starting Tuesday. Results available in 10 business days
Reference Range	ALK rearrangement not identified.
Test Methodology	Fluorescence In Situ Hybridization (FISH); Patient samples will be hybridized with Vysis DNA probes for ALK 2p23 (Spectrum Orange) and an internal control (Spectrum Green). Scoring will be performed using the Image Analysis system.
Interpretation	This test detects rearrangements of the ALK gene that confer sensitivity to the tyrosine kinase inhibitor Xalkori® (crizotinib) in pulmonary adenocarcinoma. An interpretive report will be provided.
Test Code	MALKG
CPT Code	88366 X2, 88374

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>

Date submitted: January 24, 2017

Submitted by: John D. Schwartz, M.D. Medical Director, Advanced Diagnostics Laboratory

Beaumont Laboratory
Customer Service
1-800-551-0488

28050 Grand River Ave.
Farmington Hills, MI 48336

468 Cadieux Road
Grosse Pointe, MI 48230

3601 West 13 Mile Road
Royal Oak, MI 48073

44201 Dequindre Road
Troy, MI 48085

www.beaumontlaboratory.com