

## **EGFR Gene, Targeted Mutation Analysis, 51 Mutation Panel, Tumor**

**Test ID:** EGFRS

**Explanation:** Effective immediately, the Specimen Required has been updated as follows.

Current Specimen Required	New Specimen Required
<p><b>Submit only 1 of the following specimens:</b></p> <p><b>Preferred:</b> <b>Specimen Type:</b> Tissue, smear stained with Diff Quik, fine needle aspirate (FNA), or pleural fluid in cell blocks <b>Container/Tube:</b> Tissue block <b>Collection Instructions:</b> Submit a formalin-fixed, paraffin-embedded (FFPE) tissue block.</p> <p><b>Acceptable:</b> <b>Specimen Type:</b> Tissue, smear stained with Diff Quik, FNA, or pleural fluid in cell block or cytology blood smear <b>Container/Tube:</b> Slides <b>Specimen Volume:</b> 1 Hematoxylin and eosin stained and 5 unstained <b>Collection Instructions:</b></p> <ol style="list-style-type: none"><li><b>For FFPE tissue, FNA or pleural fluid:</b> Submit 1 slide stained with hematoxylin and eosin and 5 unstained, non-baked slides with 5 to 10-micron thick sections of the tumor tissue.</li><li><b>For cytology blood smear:</b> Submit up to 2 slides stained with Diff Quik.</li></ol>	<p><b>Preferred:</b> Submit 3, if available, or 2 of the following specimens. <b>Acceptable:</b> Submit <b>at least one</b> of the following specimens.</p> <p><b>Specimen Type:</b> Tissue block <b>Collection Instructions:</b> Submit a formalin-fixed, paraffin-embedded tissue block with acceptable amount of tumor tissue.</p> <p><b>Specimen Type:</b> Tissue slide <b>Source:</b> FFPE tissue, cell block (prepared from fine-needle aspirate, or pleural fluid) <b>Slides:</b> 1 Hematoxylin and eosin-stained and 5 unstained <b>Collection Instructions:</b> Submit the followings slides: 1 Slide stained with hematoxylin and eosin AND 5 Unstained, nonbaked slides with 5-micron thick sections of the tumor tissue.</p> <p><b>Specimen Type:</b> Cytology slide (direct smears; smears stained with Pap stain are <b>not acceptable</b>) <b>Slides:</b> 2 Slides <b>Collection Instructions:</b> Submit 2 slides stained with Diff Quik and coverslipped with a total of 5000 nucleated cells (preferred) or at least 3000 nucleated cells (minimum). <b>Note:</b> Glass coverslips are preferred; plastic coverslips are acceptable but will result in longer turnaround times. <b>Additional Information:</b> Cytology slides will not be returned. An image of the slides will be stored per regulatory requirements.</p>

### **Questions**

Contact Michelle Raths, Laboratory Resource Coordinator at 800-533-1710.