

Mesothelioma, *CDKN2A* FISH, Tissue

Test ID: MESOF

Useful for:

Aiding in the diagnosis of mesothelioma by detecting a neoplastic clone associated with deletion involving the *CDKN2A* gene region at 9p21.

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
PBCT	Probe, +2	No (Bill Only)	No
PADD	Probe, +1	No (Bill Only)	No
PB02	Probe, +2	No (Bill Only)	No
PB03	Probe, +3	No (Bill Only)	No
IL25	Interphases, <25	No (Bill Only)	No
I099	Interphases, 25-99	No (Bill Only)	No
I300	Interphases, >=100	No (Bill Only)	No

Testing Algorithm:

This test includes a charge for application of the first probe set (2 fluorescence in situ hybridization probes) and professional interpretation of results. Additional charges will be incurred for application of all reflex probes performed. Analysis charges will be incurred based on the number of cells analyzed per probe set. If no cells are available for analysis, no analysis charges will be incurred.

Methods:

Fluorescence In Situ Hybridization (FISH)

Reference Values:

An interpretive report will be provided.

Specimen Requirements:

Preferred: Tissue Block

Collection Instructions: Submit a formalin-fixed, paraffin-embedded (FFPE) tumor tissue block. Blocks prepared with alternative fixation methods may be acceptable; provide fixation method used.

Acceptable: Slides

Collection Instructions: Four consecutive, unstained, 5 micron-thick sections placed on positively charged slides, and 1 hematoxylin and eosin-stained slide.

Specimen Stability Information:

Specimen Type	Temperature	Time
Tissue	Ambient (preferred)	
	Refrigerated	

Cautions:

This test is not approved by the U.S. Food and Drug Administration, and it is best used as an adjunct to existing clinical and pathologic information.

Fixatives other than formalin (eg, Prefer, Bouin's) may not be successful for fluorescence in situ hybridization (FISH) assays, however nonformalin-fixed samples will not be rejected.

Paraffin-embedded tissues that have been decalcified are generally unsuccessful for FISH analysis. The pathologist reviewing the hematoxylin and eosin-stained slide may find it necessary to cancel testing.

CPT Code:

88271x2, 88291 - DNA probe, each (first probe set), Interpretation and report

88271x2 - DNA probe, each; each additional probe set (if appropriate)

88271x1 - DNA probe, each; coverage for sets containing 3 probes (if appropriate)

88271x2 - DNA probe, each; coverage for sets containing 4 probes (if appropriate)

88271x3 - DNA probe, each; coverage for sets containing 5 probes (if appropriate)

88274 w/modifier 52 - Interphase in situ hybridization, <25 cells, each probe set (if appropriate)

88274 - Interphase in situ hybridization, 25 to 99 cells, each probe set (if appropriate)

88275 - Interphase in situ hybridization, 100 to 300 cells, each probe set (if appropriate)

Report Available: 7-10 days

Questions

Contact Heather Flynn Gilmer or Melissa Lonzo Green, Laboratory Technologist Resource Coordinators, at 800-533-1710.