

KRAS Somatic Mutation Analysis, Peritoneal Fluid

Test ID: KRASW

Useful for:

Detecting molecular markers associated with response or resistance to specific cancer

Methods:

Droplet Digital Polymerase Chain Reaction (ddPCR)

Reference Values:

An interpretive report will be provided.

Specimen Requirements:

Container/Tube:	50-mL Falcon tube with fixative
Preferred:	PreservCyt solution
Acceptable:	CytoLyt solution, methanol: glacial acetic acid (3:1) fixative, or 50% or 80% ethanol
Specimen Volume:	Two or four 50-mL Falcon tubes each containing fixed cells in equal volume to approved fixatives
Collection Instructions:	Containers must be labeled with two unique patient identifiers
Minimum Volume:	100 mL of washing in acceptable fixative

Note:

Pathology report (final or preliminary) is required and must accompany specimen for testing to be performed. At minimum, it should contain the following information:

1. Patient name and second identifier
2. Fluid collection date
3. Source of the fluid

Specimen Stability Information:

Specimen Type	Temperature	Time	Special Container
Varies	Ambient (preferred)		
	Refrigerated		

Cautions:

- Not all patients whose tumors have wild-type *KRAS* respond to epidermal growth factor receptor (EGFR)-targeted therapies.
- Rare variants (ie, polymorphisms) exist that could lead to false-negative or false-positive results.
- Test results should be interpreted in context of clinical findings, tumor sampling, and other laboratory data. If results obtained do not match other clinical or laboratory findings, contact the laboratory for possible interpretation. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.
- This assay was designed to detect mutations in *KRAS* codons 12, 13, 61, and 146 (G12A, G12C, G12D, G12R, G12S, G12V, G13D, Q61K, Q61L, Q61R, Q61H, and A146T).
- This test has not been clinically validated for use as a tool to monitor response to therapy or for early detection of tumors.
- This test cannot differentiate between somatic and germline alterations.

CPT Code:

81275-KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene) (eg, carcinoma) gene analysis, variants in codons 12 and 13

81276-KRAS (v-Ki-ras2 Kirsten rat sarcoma viral oncogene) (eg, carcinoma) gene analysis, additional variants

Day(s) Performed: Monday through Friday

Report Available: 8 to 12 days

Questions

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