

NEW TEST ANNOUNCEMENT

NOTIFICATION DATE: October 15, 2012 **EFFECTIVE DATE:** October 24, 2012

CARBOHYDRATE ANTIGEN 19-9 (CA 19-9), PLEURAL FLUID Test ID: PF199

USEFUL FOR: As an adjunct to cytology and imaging studies to differentiate between nonmalignant and malignant causes of pleural effusions.

METHODOLOGY: Immunoenzymatic Assay

REFERENCE VALUES: An interpretive report will be provided.

SPECIMEN REQUIREMENTS: Collection Container/Tube: Body fluid container

Submission Container/Tube: Plastic vial

Specimen Volume: 2 mL

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Pleural Fluid	Frozen (preferred)	30 days
	Refrigerated	7 days
	Ambient	7 days

CAUTIONS: This test result should not be the sole basis for diagnosis. CA 19-9 and other tumor markers are not specific for malignancy and CEA testing has limited utility when used as the sole diagnostic test. Test results should be always correlated with cytology, imaging, and other clinical findings.

A low or negative CA 19-9 result (<20.0 U/mL) may be uninformative or misleading, as certain malignancies do not secrete CA 19-9 and will not produce elevated CA 19-9 concentrations in pleural effusions. Negative results should be interpreted with caution in patients who have or are suspected of having a non-CA 19-9-secreting malignancy or who have a cancer of unknown primary origin. Alternative methodologies, including cytology, imaging, and other tumor markers, are recommended instead.

Certain individuals (Lewis non-secretors) do not produce the CA 19-9 antigen. A low or negative CA 19-9 result may therefore be uninformative or misleading in these individuals. Measuring serum CA 19-9 concentrations may be helpful to determine if the patient is a Lewis non-secretor.

Serum CA 19-9 concentrations have been reported to be elevated as a consequence of certain nonmalignant conditions, including liver cirrhosis, pancreatitis, gallstones, and cholecystitis. It is unknown whether these conditions also cause CA 19-9 elevations in pleural fluid. Results should therefore be interpreted with caution in patients with these conditions.

FEE: Please contact your Regional Manager for your account's fee information.

CPT CODE: 86301

DAY(S) SET UP: Monday through Friday; Varies **ANALYTIC TIME:** Same day/ 1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or Greg Renkly, MML Laboratory Technologist Resource Coordinator Telephone: 800-533-1710