MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: March 25, 2013
EFFECTIVE DATE: April 18, 2013

Ewing Sarcoma (EWS) 22q12 Rearrangement, FISH, Tissue

Test ID: FEWS

USEFUL FOR: As an aid in the diagnosis of Ewing sarcoma (EWS)/primitive neuroectodermal tumor (PNET), myxoid chondrosarcoma, desmoplastic small, round cell tumor, clear cell sarcoma, and myxoid liposarcoma by detecting a neoplastic clone associated with the rearrangement of *EWS*.

METHODOLOGY: Fluorescence in situ hybridization (FISH)

REFERENCE VALUES: An interpretive report will be provided.

SPECIMEN REQUIREMENTS: Please provide a pathology report with each tissue specimen. The laboratory will not reject specimens that arrive without this information but will hold the specimen until a pathology report is received.

- **Container/Tube:** Formalin-fixed, paraffin-embedded tissue block
- **Collection Instructions:** Include 1 hematoxylin-and-eosin stained slide.

NOTE: If ordering electronically, please complete and submit a "MayoConnect Additional Test Information Form" (Supply T357 or see Special Instructions) with the specimen. If not ordering electronically, please complete and submit a "Hematopathology/Molecular Oncology Request Form" (Supply T241) with the specimen.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Tissue	Ambient (preferred)	
	Refrigerated	

CAUTIONS:

- This test is not approved by the Food and Drug Administration (FDA) and it is best used as an adjunct to existing clinical and pathologic information.
- Fixatives other than formalin (e.g. Prefer, Bouin's) may not be successful for FISH assays. Although FISH testing will not be rejected due to non-formalin fixation results may be compromised.
- Paraffin-embedded tissues that have been decalcified are generally unsuccessful for FISH analysis. The pathologist reviewing the H&E slide may find it necessary to cancel testing.

CPT CODE:
88271 x 2-DNA probe, each
88275-Interphase in situ hybridization 100 to 300 cells
88291-Interpretation and report

DAY(S) SET UP: Samples processed Monday through Sunday. Results reported Monday through Friday, 8 a.m.-5 p.m. CST

ANALYTIC TIME: 7 days

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Marvin H. Anderson, Jr., MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710