



<u>Procedure</u>	<u>Result</u>	<u>Units</u>	<u>Ref Interval</u>	<u>Accession</u>	<u>Collected</u>	<u>Received</u>	<u>Reported/Verified</u>
EWSR1 FISH Result	Positive f			18-360-900047	26-Dec-18 13:39:00	26-Dec-18 13:39:00	26-Dec-18 13:48:15
EWSR1 FISH Reference Number	S18-456			18-360-900047	26-Dec-18 13:39:00	26-Dec-18 13:39:00	26-Dec-18 13:48:15
EWSR1 FISH Source	Tissue			18-360-900047	26-Dec-18 13:39:00	26-Dec-18 13:39:00	26-Dec-18 13:48:15
Total Cell Count	100			18-360-900047	26-Dec-18 13:39:00	26-Dec-18 13:39:00	26-Dec-18 13:48:15
Scoring Method	Manual			18-360-900047	26-Dec-18 13:39:00	26-Dec-18 13:39:00	26-Dec-18 13:48:15

26-Dec-18 13:39:00 EWSR1 FISH Result:

This result has been reviewed and approved by Joshua F. Coleman, M.D. Controls performed as expected.

26-Dec-18 13:39:00 EWSR1 FISH Result:

**METHODOLOGY AND TEST INFORMATION:**

Fluorescence in situ hybridization (FISH) analysis was performed on a section from a paraffin embedded tissue block using differentially labeled fluorescent probes targeting the upstream (5') and downstream (3') flanking regions of the EWSR1 gene (Abbott Molecular). Cells were evaluated from regions of tumor identified on histopathologic review of a matching hematoxylin and eosin stained section. Controls performed appropriately.

This test is designed to detect rearrangements involving the EWSR1 gene, but it does not identify a specific partner gene. An abnormal signal pattern seen in 25 percent or more of the tumor cells evaluated is considered a positive result.

Identification of a rearrangement of the EWSR1 gene locus is useful for diagnosis among the Ewing family of tumors. EWSR1 rearrangements can also be found in certain other tumors, including clear cell sarcoma, desmoplastic small round cell tumor, extraskelatal myxoid chondrosarcoma, myxoid liposarcoma, rhabdomyosarcoma, and angiomatoid fibrous histiocytoma. Correlation with histopathologic and clinical findings is, therefore, essential for complete interpretation of this study.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS.

\* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab