

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/31/2010
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

EWSR1 (22q12) Gene Rearrangement by FISH

ARUP test code 3001305

EWSR1 FISH Result

Positive

Controls were run and performed as expected. This result has been reviewed and approved by Benjamin L. Witt, M.D.
2000 Circle of Hope, RM 3100
Salt Lake City, UT 84112

INTERPRETIVE INFORMATION: EWSR1 (22q12), FISH

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. Based on the assay performance during test validation, the test is expected to detect 100 percent of EWSR1 rearrangements in patients with EWSR1-rearranged carcinomas, except for rare instances of cryptic rearrangements. Assay range and limit of detection were generated using normal and known positive cases respectively.

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, extraskeletal 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

EWSR1 FISH Reference Number

SP201234

EWSR1 FISH Source

Abdominal

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 20-156-148260
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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Total Cell Count 100

Scoring Method Manual

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
EWSR1 FISH Result	20-156-148260	6/4/2020 8:00:00 AM	8/17/2020 5:30:33 PM	8/17/2020 5:49:00 PM
EWSR1 FISH Reference Number	20-156-148260	6/4/2020 8:00:00 AM	8/17/2020 5:30:33 PM	8/17/2020 5:49:00 PM
EWSR1 FISH Source	20-156-148260	6/4/2020 8:00:00 AM	8/17/2020 5:30:33 PM	8/17/2020 5:49:00 PM
Total Cell Count	20-156-148260	6/4/2020 8:00:00 AM	8/17/2020 5:30:33 PM	8/17/2020 5:49:00 PM
Scoring Method	20-156-148260	6/4/2020 8:00:00 AM	8/17/2020 5:30:33 PM	8/17/2020 5:49:00 PM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

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