

FISH Tests

Gene	Chromosome	Test Category	Tumor Type/Subtype	Assay Type	Method	Code	Validated Specimen Types
ALK	2p23	translocation	Lung, other tumor types	Qual	FISH	ialk	Solid Tissue - Paraffin-Embedded Formalin-Fixed
BCL2	18q21	translocation	Lymphoma	Qual	FISH	ibcl2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
BCL6	3q27	translocation	Lymphoma	Qual	FISH	ibcl6	Solid Tissue - Paraffin-Embedded Formalin-Fixed
CCND1	11q13	translocation	Lymphoma	Qual	FISH	iccnd1	Solid Tissue - Paraffin-Embedded Formalin-Fixed
CHOP/DDIT3	12q13	translocation	Sarcomas, Liposarcoma	Qual	FISH	ilipo	Solid Tissue - Paraffin-Embedded Formalin-Fixed
C-met	7q31	amplification	Lung, other solid tumors	Qual	FISH	icmet	Solid Tissue - Paraffin-Embedded Formalin-Fixed
EGFR	7p12	amplification	Glioma, Lung, Other solid tumor types	Qual	FISH	iegframp	Solid Tissue - Paraffin-Embedded Formalin-Fixed
ETV6	12p13	translocation	Mammary Analogue Secretory Salivary Gland Carcinoma	Qual	FISH	iETV	Solid Tissue - Paraffin-Embedded Formalin-Fixed
EWS	22q12	translocation	Sarcoma, Ewings Sarcoma	Qual	FISH	iews	Solid Tissue - Paraffin-Embedded Formalin-Fixed
FGFR1	8p12	amplification	fibroblast growth factor receptors	Qual	FISH	iFGFR	Solid Tissue - Paraffin-Embedded Formalin-Fixed
FKHR	13q14	translocation	Sarcomas, Alveolar Rhabdomyosarcoma	Qual	FISH	irhabdo	Solid Tissue - Paraffin-Embedded Formalin-Fixed
FUS	16p11	translocation	Sarcoma, Liposarcoma	Qual	FISH	ifus	Solid Tissue - Paraffin-Embedded Formalin-Fixed
HER2/neu/ERBB2	17q11	amplification	Breast Cancer, other solid tumors	Qual	FISH	iher2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
HMGA2	12q14	translocation	Salivary Gland Carcinoma	Qual	FISH	ihmga2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
IGH	14q32.3	translocation	Lymphoma	Qual	FISH	iigh	Solid Tissue - Paraffin-Embedded Formalin-Fixed

IGH/MYC	14q32.3/8q24	fusion	Lymphoma	Qual	FISH	iighmyc	Solid Tissue - Paraffin-Embedded Formalin-Fixed
MAML2	11q21	translocation	Mucoepidermoid carcinoma	Qual	FISH	imaml2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
MALT1	18q21	translocation	Lymphoma	Qual	FISH	iMALt1	Solid Tissue - Paraffin-Embedded Formalin-Fixed
MDM2	12q14	amplification	Liposarcoma, Lipoma, fibromatosis	Qual	FISH	imdm2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
MYB/NFIB	6q22-24/9p24.1	fusion	Head/Neck	Qual	FISH	iMYB	Solid Tissue - Paraffin-Embedded Formalin-Fixed
MYC	8q24	translocation	Lymphoma	Qual	FISH	imyc	Solid Tissue - Paraffin-Embedded Formalin-Fixed
NUT	15q14	translocation	Midline Carcinoma, thymic carcinomas	Qual	FISH	inut	Solid Tissue - Paraffin-Embedded Formalin-Fixed
NF2	22q12.2	deletion	Mesothelioma	Qual	FISH	iNF2	Solid Tissue - Paraffin-Embedded Formalin-Fixed
PIK3CA	3q26.32	amplification	Lung	Qual	FISH	iPIK3CA	Solid Tissue - Paraffin-Embedded Formalin-Fixed
PLAG1	8q12.1	translocation	Salivary Gland Carcinoma	Qual	FISH	iPLAG1	Solid Tissue - Paraffin-Embedded Formalin-Fixed
PTEN	10q23	deletion	Salivary Duct Carcinoma	Qual	FISH	iPTEN	Solid Tissue - Paraffin-Embedded Formalin-Fixed
p16/CDKN2A	9p21	deletion	Mesothelioma, gliomas	Qual	FISH	ip16 (lung) i9p21 (neuro)	Solid Tissue - Paraffin-Embedded Formalin-Fixed
RET(Lung)	10q11.2	translocation	Lung	Qual	FISH	iKRET	Solid Tissue - Paraffin-Embedded Formalin-Fixed
RET/KIF5B	10q11.2/10p11.2	fusion	Lung	Qual	FISH		Solid Tissue - Paraffin-Embedded Formalin-Fixed
ROS1	6q22.1	translocation	Lung	Qual	FISH	iROS1	Solid Tissue - Paraffin-Embedded Formalin-Fixed
SOX2	3q26.3-q27	amplification	Squamous cell carcinoma	Qual	FISH	iSOX	Solid Tissue - Paraffin-Embedded Formalin-Fixed

SYT/SS18	18q11.2	translocation	Sarcomas, Synovial Sarcoma	Qual	FISH	isyf	Solid Tissue - Paraffin-Embedded Formalin-Fixed
TFE3	Xp11.23	rearrangement	transcription factor binding to IGHM enhancer 3	Qual	FISH	iTFE3	Solid Tissue - Paraffin-Embedded Formalin-Fixed
Urovysion	3,7,17, p16	chromosome gain	Bladder Cancer	Qual	FISH	iuro	Urine
USP6	17p13	translocation	Nodular fasciitis	Qual	FISH	iUSP6	Solid Tissue - Paraffin-Embedded Formalin-Fixed
XY	X and Y	Sex chromosome analysis	Sex mismatched transplant cases	Qual	FISH	iXY	Solid Tissue - Paraffin-Embedded Formalin-Fixed
1p36	1p	deletion	Glioma	Qual	FISH	1p	Solid Tissue - Paraffin-Embedded Formalin-Fixed
19q13	19q	deletion	Glioma	Qual	FISH	19q	Solid Tissue - Paraffin-Embedded Formalin-Fixed