

SOLID TUMOR FISH

PROBES	INDICATION-SPECIFIC TESTING and PANELS
<p>Centromere enumeration</p> <p>1p36 deletion</p> <p>1p36 / 1q25</p> <p>19q13 / 19p13</p> <p>ALK [2p23]</p> <p>CDK4 [12q13.14]</p> <p>CDKN2A (P16) [9p21]</p> <p>COL1A1 [17q21]</p> <p>COL1A1 / PDGFB [t(17;22)]</p> <p>DDIT3 (CHOP) [12q13]</p> <p>EGFR [7p12]</p> <p>ETV6 (TEL) [12p13]</p> <p>EWSR1 [22q12]</p> <p>EWSR1 / ATF1 [t(12;22)]</p> <p>EWSR1 / CREB1 [t(2;22)]</p> <p>EWSR1 / WT1 [t(11;22)]</p> <p>FOXO1 [13q14]</p> <p>FUS [16p11.2]</p> <p>FUS / CREB3L2 [t(7;16)]</p> <p>HMGA2 [12q14.3]</p> <p>MDM2 [12q15]</p> <p>MYC [8q24] / 8 centromere</p> <p>MYCN [2p24.1]</p> <p>NR4A3 [9q22.33]</p> <p>NUTM1 [15q14]</p> <p>NUTM1 / BRD4 [t(15;19)]</p> <p>PAX3 [2q36]</p> <p>PDGFB [22q13]</p> <p>PLAG1 [8q12.1]</p> <p>PTEN [10q23]</p> <p>RB1 [13q14]</p> <p>RET [10q11]</p> <p>ROS1 [6q22]</p> <p>SMARCB1 (INI1) [22q11.23]</p> <p>SS18 (SYT) [18q11.2 / t(X;18)]</p> <p>TFE3 [Xp11]</p> <p>USP6 [17p13]</p>	<ul style="list-style-type: none"> • Alveolar Rhabdomyosarcoma (ARMS) FOXO1 [13q14] PAX3 [2q36] • Alveolar Soft Part Sarcoma (ASPS) TFE3 [Xp11] • Aneurysmal Bone Cyst (ABC) USP6 [17p13] • Angiomatoid Fibrous Histiocytoma (AFH) EWSR1 [22q12] EWSR1 / ATF1 [t(12;22)] EWSR1 / CREB1 [t(2;22)] FUS [16p11.2] • Bladder Cancer (UroVysion®) 3 centromere 7 centromere 17 centromere CDKN2A (P16) [9p21] • Clear Cell Sarcoma of Soft Tissue (CCS) / Malignant Melanoma of Soft Parts EWSR1 [22q12] EWSR1 / ATF1 [t(12;22)] EWSR1 / CREB1 [t(2;22)] • Dermatofibrosarcoma Protuberans (DFSP) COL1A1 / PDGFB [t(17;22)] • Desmoplastic Small Round Cell Tumor (DSRCT) EWSR1 / WT1 [t(11;22)] • Ewing Sarcoma (ES) / Primitive Neuroectodermal Tumor (PNET) EWSR1 [22q12] FUS [16p11.2] • Extraskeletal Myxoid Chondrosarcoma (EMC) EWSR1 [22q12] NR4A3 [9q22.33] • Infantile Fibrosarcoma (IFS) ETV6 (TEL) [12p13] • Inflammatory Myofibroblastic Tumor (IMT) ALK [2p23] • Lipoblastoma PLAG1 [8q12.1] • Lipoma HMGA2 [12q14.3] • Liposarcoma (WDLS/ALT; DDLS) CDK4 [12q13.14] MDM2 [12q15] • Low Grade Fibromyxoid Sarcoma (LGFS) EWSR1 [22q12] FUS [16p11.2] FUS / CREB3L2 [t(7;16)] • Mammary Analogue Secretory Carcinoma (MASC) ETV6 (TEL) [12p13] • Medulloblastoma (MBD) MYC [8q24] / 8 centromere MYCN [2p24.1] • Midline Carcinoma NUTM1 [15q14] NUTM1 / BRD4 [t(15;19)] • Myxoid Liposarcoma (MLS) DDIT3 (CHOP) [12q13] EWSR1 [22q12] FUS [16p11.2] • Neuroblastoma (NB) 1p36 deletion MYCN [2p24.1] • Neurological Cancer 1p36 / 1q25 19q13 / 19p13 EGFR [7p12] PTEN [10q23] • Nodular Faciitis USP6 [17p13] • Non-Small Cell Lung Cancer (NSCLC) ALK [2p23] RET [10q11] ROS1 [6q22] • Renal Cell Carcinoma (RCC) TFE3 [Xp11] • Rhabdoid Tumor (AT/RT; MRT) SMARCB1 (INI1) [22q11.23] • Synovial Sarcoma (SS) SS18 (SYT) [18q11.2 / t(X;18)]