

FLUORESCENCE IN SITU HYBRIDIZATION (FISH) PANELS

FISH LUNG PANEL

ALK
ROS1
RET
MET

FISH PROSTATE PANEL

ERG/TMPRSS2
PTEN

FISH THYROID PANEL

PAX8/PPARG t(2;3)
RET

FISH PROSTATE RISK ASSESSMENT

ERG/TMPRSS2
PTEN
AR
BRAF
MYC

FISH BRAIN PANEL

1p/1q
19p/19q
EGFR

INDIVIDUAL FISH PROBES

MDM2 (Liposarcoma)

NEXT GENERATION SEQUENCING SPECIMEN REQUIREMENTS

Minimum tumor input requirement: 0.65mm³ tumor tissue volume, showing at least 10% tumor cellularity. Metastatic tumor tissue is preferred; tumor tissue from primary site of origin is also acceptable in patients with advanced stage disease.

SLIDES

15 unstained slides cut at 5 microns, to be analyzed with corresponding H&E slide and a pathology report.

FFPE

Specimen block preferred.

SHAVINGS

If tumor nuclei in sample is >50%, 7 rolls cut at 10 microns equal (70 microns). Samples must come with corresponding H&E slides from the top and bottom of the sample and a pathology report.

For Tumor-specific NGS panel gene lists, see: <https://www.genpathdiagnostics.com/hcp/onkosight-advanced-tm-next-generation-sequencing>