

Interpace Pharma Solutions is a leader in enabling precision medicine for immuno-oncology and genomic medicine through diagnostics, molecular markers, and data solutions.

Interpace Pharma Solutions (IPS) provides laboratory services supporting clinical trials and advanced diagnostic development across immuno-oncology, hematology, and solid tumors. Our scientific, medical, and regulatory experts help our biopharma and diagnostic clients accelerate their clinical development programs. Through our extensive technology portfolio and agile approach, we provide a broad suite of applications in support of our industry partners.

IPS's Solution Suite of Molecular Diagnostics

IPS offers full molecular diagnostics capabilities utilizing various platforms to accommodate a variety of analyses. Our state-of-the-art molecular laboratory is technology-agnostic and equipped with innovative platforms, covering next generation sequencing (NGS), NanoString services, liquid biopsies, etc. We are a certified service provider for various companies, such as Affymetrix, ArcherDx, etc., and offer full NGS capabilities with both Illumina and Thermo Fisher platforms, providing a mix of proprietary panels and off-the-shelf assays. IPS's comprehensive menu of validated assays is ready for direct use in your oncology programs. In addition, our highly experienced staff ensures the development and validation of new and custom assays both for heme malignancies and solid tumors.

This is a representative listing of available test offerings.
Interpace Pharma Solutions builds custom solutions to meet client specifications.

NGS Heme Panels

Focus::Myeloid™ – Illumina MiSeq [50 genes]

ABL1, ASXL1, ATRX, BCOR, BRAF, CALR, CBL, CBLB, CBLC, CEBPA, CSF3R, DNMT3A, ETV6, EZH2, FBXW7, FLT3, GATA1, GATA2, GNAS, HRAS, IDH1, IDH2, IKZF1, JAK2, JAK3, KDM6A, KIT, KMT2A (MLL), KRAS, MPL, MYD88, NOTCH1, NPM1, NRAS, PDGFRA, PHF6, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF3B1, SMC1A, SMC3, SRSF2, STAG2, TET2, TP53, U2AF1, WT1

Focus::CLL™ – Illumina MiSeq [7 genes]

ATM, BIRC3, CARD11, MYD88, NOTCH1, SF3B1, TP53

VariantPlex Myeloid [75 genes]

ABL1, ANKRD26, ASXL1, ATRX, BCOR, BCORL1, BRAF, BTK, CALR, CBL, CBLB, CBLC, CCND2, CDC25C, CDKN2A, CEBPA, CSF3R, CUX1, CXCR4, DCK, DDX41, DHX15, DNMT3A, ETNK1, ETV6, EZH2, FBXW7, FLT3, GATA1, GATA2, GNAS, HRAS, IDH1, IDH2, IKZF1, JAK2, JAK3, KDM6A, KIT, KMT2A, KRAS, LUC7L2, MAP2K1, MPL, MYC, MYD88, NF1, NOTCH1, NPM1, NRAS, PDGFRA, PHF6, PPM1D, PTEN, PTPN11, RAD21, RBBP6, RPS14, RUNX1, SETBP1, SF3B1, SH2B3, SLC29A1, SMC1A, SMC3, SRSF2, STAG2, STAT3, TET2, TP53, U2AF1, U2AF2, WT1, XPO1, ZRSR2

NGS Solid Tumor Panels

Focus::OncoPrint™ – Ion S5

DNA panel [35 genes – hotspot mutations]

AKT1, ALK, AR, BRAF, CDK4, CTNNB1, DDR2, EGFR, ERBB2, ERBB3, ERBB4, ESR1, FGFR2, FGFR3, GNA11, GNAQ, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KIT, KRAS, MAP2K1, MAP2K2, MET, MTOR, NRAS, PDGFRA, PIK3CA, RAF1, RET, ROS1, SMO

DNA panel [19 genes – focal CNV gains]

ALK, AR, BRAF, CCND1, CDK4, CDK6, EGFR, ERBB2, FGFR1, FGFR2, FGFR3, FGFR4, KIT, KRAS, MET, MYC, MYCN, PDGFRA, PIK3CA

RNA panel - [23 genes – fusion drivers]

ABL1, AKT3, ALK, AXL, BRAF, EGFR, ERBB2, ERG, ETV1, ETV4, ETV5, FGFR1, FGFR2, FGFR3, MET, NTRK1, NTRK2, NTRK3, PDGFRA, PPARG, RAF1, RET, ROS1

Oncomine Comprehensive Assay v3 - Ion S5 [161 genes]

DNA [hotspot genes]

KT1, ALK, AR, ARAF, BRAF, BTK, CBL, CDK4, CHEK2, CSF1R, CT-NNB1, DDR2, EGFR, ERBB2, ERBB3, ERBB4, ESR1, EZH2, FGFR1, FGFR2, FGFR3, FLT3, FOXL2, GATA2, GNA11, GNAQ, GNAS, HNF1A, HRAS, IDH1, IDH2, JAK1, JAK2, JAK3, KDR, KIT, KNSTRN, KRAS, MAGOH, MAP2K1, MAP2K2, MAPK1, MAX, MED12, MET, MTOR, MYD88, NFE2L2, NRAS, PDGFRA, PIK3CA, PPP2R1A, PTPN11, RAC1, RAF1, RET, RHEB, RHOA, SF3B1, SMO, SPOP, SRC, STAT3, U2AF1, XPO1, AKT2, AKT3, AXL, CCND1, CDK6, ERCC2, FGFR4, H3F3A, HIST1H3B, MAP2K4, MDM4, MYC, MYCN, NTRK1, NTRK2, PDGFRB, PIK3CB, ROS1, SMAD4, TERT, TOP1

DNA [full-length genes]

ATM, BAP1, BRCA1, BRCA2, CDKN2A, FBXW7, MSH2, NF1, NF2, NOTCH1, PIK3R1, PTCH1, PTEN, RB1, SMARCB1, STK11, TP53, TSC1, TSC2, ARID1A, ATR, ATRX, CDK12, CDKN1B, CDKN2B, CHEK1, CREBBP, FANCA, FANCD2, FANCI, MLH1, MRE11A, MSH6, NBN, NOTCH2, NOTCH3, PALB2, PMS2, POLE, RAD50, RAD51, RAD51B, RAD51C, RAD51D, RNF43, SETD2, SLX4, SMARCA4

DNA [copy number genes]

AKT1, AR, CCND1, CCNE1, CDK4, CDK6, EGFR, ERBB2, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, IGF1R, KIT, KRAS, MDM2, MDM4, MET, MYC, MYCL, MYCN, PDGFRA, PIK3CA, PPARG, TERT, AKT2, AKT3, ALK, AXL, BRAF, CCND2, CCND3, CDK2, CDKN2A, CDKN2B, ESR1, FGF19, FGF3, NTRK1, NTRK2, NTRK3, PDGFRB, PIK3CB, RICTOR, TSC1, TSC2

RNA [gene fusions (inter- and intragenic)]

ALK, AXL, BRAF, EGFR, ERBB2, ERG, ETV1, ETV4, ETV5, FGFR1, FGFR2, FGFR3, NTRK1, NTRK3, PDGFRA, PPARG, RAF1, RET, ROS1, AKT2, AR, BRCA1, BRCA2, CDKN2A, ERBB4, ESR1, FGR, FLT3, JAK2, KRAS, MDM4, MET, MYB, MYBL1, NF1, NOTCH1, NOTCH4, NRG1, NTRK2, NUTM1, PDGFRB, PIK3CA, PRKACA, PRKACB, PTEN, RAD51B, RB1, RELA, RSP02, RSP03, TERT

NanoString

IPS offers all of NanoString's panels on the company menu and has a collaborative relationship with the company to integrate custom content and panel designs for our clients.

GeoMx[®] Digital Spatial Profiling (Coming Soon)

Additional Platforms and Equipment

Sanger Sequencing

Fragment Analysis

Pyrosequencing

RT-PCR