

# Oncology Test List

## Provider Name

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## Patient Information *(required)*

Patient Name <i>(Last, First, Middle)</i>	
Birth Date <i>(Month DD, YYYY)</i>	ICD-10 Diagnosis Code

### **PATHOLOGY**

- PATHC Pathology Consultation  
Appropriate stains and ancillary testing may be performed in order to render an accurate diagnosis

### **SPECIAL TESTING**

#### **PD-L1 Immunohistochemical stains**

- PDL1 PD-L1 (SP263), Semi-Quantitative Immunohistochemistry, Manual
- PDL1S PD-L1 (SP142), Semi-Quantitative Immunohistochemistry, Manual
- PDL12 PD-L1 (22C3), Semi-Quantitative Immunohistochemistry, Manual

#### **Microsatellite Instability (MSI)/Mismatch Repair**

- MSIHC Microsatellite Instability (MSI)/Immunohistochemistry (IHC) Profile-Lynch/Hereditary Nonpolyposis Colorectal Cancer (HNPCC) Screen
- MSI Microsatellite Instability (MSI), Tumor
- IHC Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor

#### **Chromosome Analysis**

- CHRBF Chromosome Analysis, Body Fluid
- CHRST Chromosome Analysis, Solid Tumors

#### **Next-Generation Sequencing (NGS) Panels**

- GISTP GIST-Targeted Gene Panel by Next-Generation Sequencing, Tumor
- LNGPR Lung Cancer-Targeted Gene Panel with Rearrangement, Tumor (mutations and rearrangements)
- LUNGPR Lung Cancer-Targeted Gene Panel, Tumor (mutations only)
- LUNGR Lung Cancer Rearrangement Testing, Tumor (rearrangements only)
- MELP Melanoma Targeted Gene Panel by Next-Generation Sequencing, Tumor
- NONTP Neuro-Oncology Panel, Tumor
- RASFP RAS/RAF Targeted Gene Panel by Next-Generation Sequencing, Tumor
- CAPN Solid Tumor Targeted Cancer Gene Panel by Next-Generation Sequencing

### **Chromosomal Microarray**

- CMAPT Chromosomal Microarray, Tumor, Formalin-Fixed Paraffin-Embedded
- CMAT Chromosomal Microarray, Tumor, Fresh or Frozen using Affymetrix Cytoscan HD

### **MATE PAIR SEQUENCING**

- MTRTI MatePair, Targeted Rearrangements, Oncology

### **PATHOLOGY: TARGETED TUMOR TESTING**

#### **Bone and Soft Tissue**

- FOXOF Alveolar Rhabdomyosarcoma (ARMS), 13q14 (FOXO1 or FKHR) Rearrangement, FISH, Tissue
- ETV6F ETV6 (12p13.2) Rearrangement, FISH, Tissue
- ARMS Alveolar Rhabdomyosarcoma by Reverse Transcriptase PCR (RT-PCR)
- TFE3F Alveolar Soft Part Sarcoma (ASPS)/Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue
- MASF Angiosarcoma, MYC (8q24) Amplification, FISH, Tissue
- BCAT Beta-Catenin, Fibromatosis, Mutation Analysis
- DSRCT Desmoplastic Small Round-Cell Tumor by Reverse Transcriptase PCR (RT-PCR)
- ESTUF Endometrial Stromal Tumors (EST), 7p15 (JAZF1), 6p21.32 (PHF1), 17p13.3 (YWHAE) Rearrangement, FISH, Tissue
- EWSF Ewing Sarcoma (EWS), 22q12 (EWSR1) Rearrangement, FISH, Tissue
- EWS Ewing Sarcoma, by Reverse Transcriptase PCR (RT-PCR)
- IMTF Inflammatory Myofibroblastic Tumors (IMT), 2p23 (ALK) Rearrangement, FISH, Tissue
- KIT8 KIT Exon 8, Mutation Analysis
- KIT9 KIT Exon 9, Mutation Analysis
- KIT11 KIT Exon 11, Mutation Analysis
- KIT13 KIT Exon 13, Mutation Analysis
- KIT17 KIT Exon 17, Mutation Analysis
- FUSF Low-Grade Fibromyxoid Sarcoma (LGFMS), 16p11.2 (FUS or TLS) Rearrangement, FISH, Tissue

- MDM2F MDM2 (12q15) Amplification, Well-Differentiated Liposarcoma/Atypical Lipomatous Tumor, FISH, Tissue
- DDITF Myxoid/Round Cell Liposarcoma, 12q13 (DDIT3 or CHOP) Rearrangement, FISH, Tissue
- MYCNF Neuroblastoma, 2p24 (MYCN) Amplification, FISH
- PDG12 PDGFRA Exon 12, Mutation Analysis
- PDG14 PDGFRA Exon 14, Mutation Analysis
- PDG18 PDGFRA Exon 18, Mutation Analysis
- PDGF PDGFB (22q13), Dermatofibrosarcoma Protuberans/Giant Cell Fibroblastoma, FISH, Tissue
- SS18F Synovial Sarcoma (SS), 18q11.2 (SS18 or SYT) Rearrangement, FISH, Tissue
- SYT Synovial Sarcoma by Reverse Transcriptase PCR (RT-PCR)
- USPF USP6 (17p13), Aneurysmal Bone Cyst and Nodular Fasciitis, FISH, Tissue

#### **Breast**

- MASF Angiosarcoma, MYC (8q24) Amplification, FISH, Tissue
- CTCBC Circulating Tumor Cells (CTC) for Breast Cancer by CellSearch, Blood
- FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue
- HER2F HER2 Amplification Associated with Breast Cancer, FISH, Tissue
- ETV6F ETV6 (12p13.2) Rearrangement, FISH, Tissue

#### **Immunohistochemical assays interpreted with digital image analysis**

- ERPR Estrogen/Progesterone Receptor, Semi-Quantitative, Manual
- KI67B Ki-67(MIB-1), Breast, Quantitative, Automated
- HERBA Breast, Quantitative, Automated with HER2 FISH reflex
- HERBN HER2, Breast, Quantitative, Automated, No Reflex
- HERDM HER2, Breast, DCIS, Quantitative, Manual with HER2 FISH Reflex
- HERDN HER2, Breast, DCIS, Quantitative, Manual No Reflex

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### Gastrointestinal

- FBILM Biliary Tract Malignancy-Cytology, FISH
- BRAFT BRAF Mutation Analysis (V600E), Tumor
- CTCCC Circulating Tumor Cells (CTC) for Colorectal Cancer by CellSearch, Blood
- EGFRT EGFR Gene, Mutation Analysis, 29 Mutation Panel, Tumor
- PRKAF Fibrolamellar Carcinoma, 19p13.1 (PRKACA) Rearrangement, FISH, Tissue
- FGFR2 FGFR2 (10q26.1) Rearrangement, FISH, Tissue
- GISTP GIST-Targeted Gene Panel by Next-Generation Sequencing, Tumor
- H2GEF HER2 Amplification Associated with Gastroesophageal Cancer, FISH, Tissue
- HERGM HER2, Gastric/Esophageal, Semi-Quantitative Immunohistochemistry, Manual
- HERGN HER2, Gastric/Esophageal, Semi-Quantitative Immunohistochemistry, Manual, No Reflex
- KINET Ki-67(MIB-1), Gastrointestinal/Pancreatic Neuroendocrine Tumors, Quantitative Immunohistochemistry, Automated
- KIT8 KIT Exon 8, Mutation Analysis
- KIT9 KIT Exon 9, Mutation Analysis
- KIT11 KIT Exon 11, Mutation Analysis
- KIT13 KIT Exon 13, Mutation Analysis
- KIT17 KIT Exon 17, Mutation Analysis
- KRASC KRAS Mutation Analysis, 7 Mutation Panel, Colorectal
- METF MET (7q31), FISH, Tissue
- ML1HM MLH1 Hypermethylation Analysis, Tumor
- BRMLH MLH1 Hypermethylation and BRAF Mutation Analysis, Tumor
- MSIHC Microsatellite Instability (MSI)/Immunohistochemistry (IHC) Profile-Lynch/Hereditary Nonpolyposis Colorectal Cancer (HNPCC) Screen
- IHC Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor
- MSI Microsatellite Instability (MSI), Tumor
- RASFP RAS/RAF Targeted Gene Panel by Next-Generation Sequencing, Tumor

### Genitourinary

- TFE3F Alveolar Soft Part Sarcoma (ASPS)/Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue
- CTCPCC Circulating Tumor Cells (CTC) for Prostate Cancer by CellSearch, Blood
- GCTF Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue
- H2URF HER2 Amplification Associated with Urothelial Carcinoma, FISH, Tissue
- FUROC UroVysion for Detection of Bladder Cancer, Urine
- NUT1F NUTM1 (15q14) Rearrangement, FISH, Tissue
- PROF Prostate Tumor, FISH, Tissue
- TFEFB Renal Cell Carcinoma, 6p21.1 (TFEB) Rearrangement, FISH, Tissue

### Gynecology

#### Endometrial/Uterine Carcinoma

- ESTUF Endometrial Stromal Tumors (EST), 7p15 (JAZF1), 6p21.32 (PHF1), 17p13.3 (YWHAE) Rearrangement, FISH, Tissue
- ML1HM MLH1 Hypermethylation Analysis, Tumor

#### Ovarian Carcinoma

- FOXL2 FOXL2, Granulosa Cell Tumor, c.402C->G Mutation Analysis

#### Gestational/Trophoblastic Disease/ Molar Pregnancy

- POCF Products of Conception (POC) Aneuploidy Detection, FISH, Paraffin-Embedded Tissue

#### Lower Anal-Genital Tract Carcinoma

- HPV6E Human Papillomavirus (HPV) High-Risk E6/E7, RNA In Situ Hybridization
- HPVHL Human Papillomavirus (HPV) High/Low Risk, DNA In Situ Hybridization
- HPVHR Human Papillomavirus (HPV), High-Risk, DNA In Situ Hybridization
- HPVLR Human Papillomavirus (HPV), Low-Risk, DNA In Situ Hybridization

### Head and Neck

- FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue
- 60483 Human Papillomavirus (HPV), High-Risk, DNA In Situ Hybridization
- 62577 Human Papillomavirus (HPV), Low-Risk, DNA In Situ Hybridization
- 80172 Human Papillomavirus (HPV) Typing, DNA In Situ Hybridization
- MAMLF MAML2 (11q21) Rearrangement, Mucoepidermoid Carcinoma (MEC), FISH, Tissue
- SGTF MYB (6q23) Rearrangement, FISH, Tissue

### Melanoma

- BRAFB Cell-Free DNA BRAF V600 Test, Blood
- BRAFC BRAF Mutation Analysis (V600), Melanoma
- KIT11 KIT Exon 11, Mutation Analysis
- KIT13 KIT Exon 13, Mutation Analysis
- KIT17 KIT Exon 17, Mutation Analysis
- MELF Melanoma, FISH, Tissue
- MELP Melanoma Targeted Gene Panel by Next-Generation Sequencing, Tumor
- UMM3F Uveal Melanoma, Chromosome 3 Monosomy, FISH, Tissue

### Neuro-oncology

- GLIOF 1p/19q Deletion in Gliomas, FISH, Tissue
- BRAFT BRAF Mutation Analysis (V600E), Tumor
- CMAPT Chromosomal Microarray, Tumor, Formalin-Fixed Paraffin-Embedded
- GCTF Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue
- IDH IDH1/2, Mutation Analysis
- MEDF Medulloblastoma, FISH, Tissue
- MGMT MGMT Promoter Methylation, Tumor
- NONTP Neuro-Oncology Panel, Tumor

### Pulmonary

- BRAFT BRAF Mutation Analysis (V600E), Tumor
- EGFRT EGFR Gene, Mutation Analysis, 29 Mutation Panel, Tumor
- FALKC ALK on Cytology Specimens, FISH
- FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue
- KRASO KRAS Mutation Analysis, 7 Mutation Panel, Other (Non-Colorectal)
- LCAF Lung Cancer, ALK (2p23) Rearrangement, FISH, Tissue
- EGFRR Lung Cancer, EGFR with ALK Reflex, Tumor
- LNGPR Lung Cancer-Targeted Gene Panel with Rearrangement, Tumor (mutations and rearrangements)
- LUNGP Lung Cancer-Targeted Gene Panel, Tumor (mutations only)
- LUNGR Lung Cancer Rearrangement Testing, Tumor (rearrangements only)
- RETF Lung Cancer, RET (10q11) Rearrangement, FISH, Tissue
- ROS1F Lung Cancer, ROS1 (6q22) Rearrangement, FISH, Tissue
- METF MET (7q31), FISH, Tissue

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### CELL-FREE DNA (cfDNA) TESTING

- BRAFB Cell-Free DNA BRAF V600 Test, Blood

### ONCOLOGY: MOLECULAR DIAGNOSTIC TESTING

#### Gastrointestinal

- APCZ APC Gene, Full Gene Analysis
- HCRC Hereditary Colon Cancer Multi-Gene Panel
- MSIHC Microsatellite Instability (MSI)/ Immunohistochemistry (IHC) Profile-Lynch/ Hereditary Nonpolyposis Colorectal Cancer (HNPCC) Screen
- LYNCH Lynch Syndrome Panel
- MLH1Z MLH1 Gene, Full Gene Analysis
- MSH2Z MSH2 Gene, Full Gene Analysis
- MSH6Z MSH6 Gene, Full Gene Analysis
- MUTYH MUTYH Gene Analysis, Y165C and G382D
- PMS2Z PMS2 Gene, Full Gene Analysis
- U1A1 UDP-Glucuronosyl Transferase 1A1 TA Repeat Genotype, UGT1A1
- UGTI UDP-Glucuronosyl Transferase 1A1 (UGT1A1), Full Gene Sequencing, Irinotecan Hypersensitivity

#### Inherited Endocrine

- FMTT Familial Mutation, Targeted Testing
- RETZ RET Proto-Oncogene, Full Gene Analysis
- SDHP SDHB, SDHC, SDHD Gene Panel
- VHLZ VHL Gene, Full Gene Analysis

### PRIMARY BODY FLUID TESTS

Tests for disease monitoring or aiding in the diagnosis

#### Bone and Soft Tissue

- FGF23 Fibroblast Growth Factor 23 (FGF23), Plasma

#### Breast

- C2729 Breast Carcinoma-Associated Antigen (CA 27.29), Serum
- CA153 Cancer Antigen 15-3 (CA 15-3), Serum

#### Endocrine

##### Thyroid Cancer

- CATLN Calcitonin, Fine-Needle Aspiration Biopsy (FNAB)-Needle Wash, Lymph Node
- CATN Calcitonin, Serum
- CEA Carcinoembryonic Antigen (CEA), Serum
- TGMS Thyroglobulin Mass Spectrometry, Serum
- HTGFN Thyroglobulin, Tumor Marker, Fine-Needle Aspiration (FNA)-Needle Wash, Lymph Node
- HTGR Thyroglobulin, Tumor Marker Reflex to LC-MS/MS or Immunoassay
- HTG2 Thyroglobulin, Tumor Marker, Serum

##### Neuroendocrine Tumors

- CGAK Chromogranin A, Serum
- GAST Gastrin, Serum
- GLP Glucagon, Plasma
- NSE Neuron-Specific Enolase (NSE), Serum
- HPP Pancreatic Polypeptide, Plasma
- VIP Vasoactive Intestinal Polypeptide (VIP), Plasma

##### Pituitary Tumors

- ACTH Adrenocorticotrophic Hormone (ACTH), Plasma
- APGH Alpha-Subunit Pituitary Tumor Marker, Serum
- FSH Follicle-Stimulating Hormone (FSH), Serum
- HGH Growth Hormone, Serum
- LH Luteinizing Hormone (LH), Serum
- MCRPL Macroprolactin, Serum
- NSE Neuron-Specific Enolase (NSE), Serum
- PLPMA Prolactin, Pituitary Macroadenoma, Serum
- PRL Prolactin, Serum

##### Biogenic Amines

- CATU Catecholamine Fractionation, Free, 24 Hour, Urine
- CATP Catecholamine Fractionation, Free, Plasma
- HVA Homovanillic Acid (HVA), 24 Hour, Urine
- HVAR Homovanillic Acid (HVA), Random, Urine

- METAF Metanephrines, Fractionated, 24 Hour, Urine
- PMET Metanephrines, Fractionated, Free, Plasma
- METAR Metanephrines, Fractionated, Random, Urine
- SERU Serotonin, 24 Hour, Urine
- SERWB Serotonin, Blood
- VH Vanillylmandelic Acid (VMA) and Homovanillic Acid (HVA), Random, Urine
- VMA Vanillylmandelic Acid (VMA), 24 Hour, Urine
- VMAR Vanillylmandelic Acid (VMA), Random, Urine
- HIAA 5-Hydroxyindoleacetic Acid (5-HIAA), 24 Hour, Urine

#### Gastrointestinal

- HIAA 5-Hydroxyindoleacetic Acid (5-HIAA), 24 Hour, Urine
- L3AFP Alpha-Fetoprotein (AFP) L3% and Total, Hepatocellular Carcinoma Tumor Marker, Serum
- AFPPT Alpha-Fetoprotein (AFP), Peritoneal Fluid
- AFP Alpha-Fetoprotein (AFP) Tumor Marker, Serum
- AMLPC Amylase, Pancreatic Cyst
- 199PC Carbohydrate Antigen 19-9 (CA 19-9), Pancreatic Cyst Fluid
- 199PT Carbohydrate Antigen 19-9 (CA 19-9), Peritoneal Fluid
- CA19 Carbohydrate Antigen 19-9 (CA 19-9), Serum
- CEAPC Carcinoembryonic Antigen (CEA), Pancreatic Cyst Fluid
- CEAPT Carcinoembryonic Antigen (CEA), Peritoneal Fluid
- CEA Carcinoembryonic Antigen (CEA), Serum
- CGAK Chromogranin A, Serum
- DCP Des-Gamma-Carboxy Prothrombin (DCP), Serum
- FOBT Fecal Occult Blood, Colorectal Cancer Screen, Qualitative, Immunochemical
- GAST Gastrin, Serum
- GLP Glucagon, Plasma
- NSE Neuron-Specific Enolase (NSE), Serum
- HPP Pancreatic Polypeptide, Plasma
- SERU Serotonin, 24 Hour, Urine
- SERWB Serotonin, Blood
- VIP Vasoactive Intestinal Polypeptide (VIP), Plasma

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### Genitourinary

- AFPSF Alpha-Fetoprotein (AFP), Spinal Fluid
- AFP Alpha-Fetoprotein (AFP) Tumor Marker, Serum
- BHCG Beta-Human Chorionic Gonadotropin, Quantitative, Serum
- BHSF Beta-Human Chorionic Gonadotropin, Quantitative, Spinal Fluid
- CEASF Carcinoembryonic Antigen (CEA), Spinal Fluid
- PSA Prostate-Specific Antigen (PSA) Diagnostic, Serum
- SPSA Prostate-Specific Antigen (PSA) Screen, Serum
- PHIND Prostate Health Index (phi), Serum
- PSAFT Prostate-Specific Antigen (PSA), Total and Free, Serum

### Gynecology

- BHCG Beta-Human Chorionic Gonadotropin, Quantitative, Serum
- CA125 Cancer Antigen 125 (CA 125), Serum
- HE4R Human Epididymis Protein 4, Serum
- INHA Inhibin A, Tumor Marker, Serum
- INHAB Inhibin A and B, Tumor Marker, Serum
- INHB Inhibin B, Serum
- ROMA Ovarian Malignancy Risk Algorithm

### Pulmonary

- PF199 Carbohydrate Antigen 19-9 (CA 19-9), Pleural Fluid
- PFCEA Carcinoembryonic Antigen (CEA), Pleural Fluid
- NSE Neuron-Specific Enolase (NSE), Serum

### ADDITIONAL TESTS (INDICATE TEST CODE AND NAME)

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