

Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Address		
City	State	Zip Code

Submitting Provider/Provider Name Information (required)

Submitting/Referring Provider <i>(Last, First)</i>
Fill in only if Call Back is required. Phone () _____ - _____ Fax* () _____ - _____
Provider's National I.D. (NPI)

**Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

Pathologist's Name (required)

Submitting/Referring Pathologist <i>(Last, First)</i>
Phone () _____ - _____ Fax* () _____ - _____

**Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

New York State Patients: Informed Consent for Genetic Testing

<p>"I hereby confirm that informed consent has been signed by an individual legally authorized to do so and is on file with this office or the individual's provider's office."</p> <p>Signature _____</p>
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Note: It is the client's responsibility to maintain documentation of the order.

MCL Internal Use Only

Ship specimens to:
Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 855-516-8404

Visit www.MayoClinicLabs.com for the most up-to-date test and shipping information.

Patient Information (required)

Patient ID <i>(Medical Record No.)</i>	
Patient Name <i>(Last, First, Middle)</i>	
Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Birth Date <i>(Month DD, YYYY)</i>
Collection Date <i>(Month DD, YYYY)</i>	Time <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

Specimens Provided (required)

<input type="checkbox"/> Blood <input type="checkbox"/> Bone Marrow <input type="checkbox"/> Fixed Cells <input type="checkbox"/> Cultured Cells <input type="checkbox"/> DNA <input type="checkbox"/> Lymph Node <input type="checkbox"/> Spleen	<input type="checkbox"/> Paraffin block No. sent: _____ Indicate source: <input type="checkbox"/> Slides No. sent: _____	<input type="checkbox"/> Tissue No. sent: _____ <input type="checkbox"/> Frozen <input type="checkbox"/> Fixed Formalin <input type="checkbox"/> Wet Tissue <input type="checkbox"/> Other Fixative type: _____ <input type="checkbox"/> Other Anatomic site: _____
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CBC results:

HB _____	RBC _____	WBC _____
HCT _____	MCV _____	PLT _____

If ordering HER2 testing:

Was specimen fixed in 10% neutral buffered formalin within 1 hour from surgical collection time?
 Yes No

Has specimen been fixed in 10% neutral buffered formalin for 6 to 72 hours?
 Yes No

Pathology/Clinical Diagnosis (required)

<p><i>(Include a brief history, pertinent laboratory results, suspected diagnosis, and reason for referral.)</i></p>
ICD-10 Diagnosis Code

Billing Information

- An itemized invoice will be sent each month.
- Payment terms are net 30 days.

Call the Business Office with billing related questions:
800-447-6424 (US and Canada)
507-266-5490 (outside the US)

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FEATURED ONCOLOGY TESTING

PD-L1 Immunohistochemical stains

- SP263 Programmed Death-Ligand 1 (PD-L1) (SP263), Semi-Quantitative Immunohistochemistry, Manual
- SP142 Programmed Death-Ligand 1 (PD-L1) (SP142), Semi-Quantitative Immunohistochemistry, Manual
- 22C3 Programmed Death-Ligand 1 (PD-L1) (22C3), Semi-Quantitative Immunohistochemistry, Manual

Microsatellite Instability (MSI)/Mismatch Repair

- TMSI Microsatellite Instability, Tumor
- IHC Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor

NTRK Fusion Testing

- NTRK NTRK Gene Fusion Panel, Tumor
- TRK Tropomyosin Receptor Kinase (TRK) Immunostain, Technical Component Only

Next-Generation Sequencing (NGS) Panels

- GISTP Gastrointestinal Stromal Tumor (GIST) Targeted Gene Panel, Next-Generation Sequencing, Tumor
- LNGPR Lung Cancer-Targeted Gene Panel with Rearrangement, Tumor
- MELP Melanoma Targeted Gene Panel, Next-Generation Sequencing, Tumor
- NONCP Neuro-Oncology Expanded Gene Panel with Rearrangement, Tumor
- RASFP RAS/RAF Targeted Gene Panel, Next-Generation Sequencing, Tumor
- SARCP Sarcoma Targeted Gene Fusion/Rearrangement Panel, Next-Generation Sequencing, Tumor
- CAPN Solid Tumor-Targeted Cancer Gene Panel, Next-Generation Sequencing

Chromosomal Microarray

- CMAPT Chromosomal Microarray, Tumor, Formalin-Fixed Paraffin-Embedded

Cell-Free DNA (cfDNA) Testing

- BRAFB Cell-Free DNA BRAF V600 Test, Blood
- EGFRD EGFR Exon 18, 19, 20, 21, Mutation Analysis, Cell-Free DNA, Plasma
- T790M Cell-Free DNA EGFR T790M Mutation Analysis, Blood
- KRASD Cell-Free DNA KRAS 12, 13, 61, 146, Blood

PATHOLOGY

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

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
- TFE3F Alveolar Soft Part Sarcoma (ASPS)/Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue
- MASF Angiosarcoma, MYC (8q24) Amplification, FISH, Tissue
- CTNNB Beta-Catenin (CTNNB1) Mutation Analysis, Tumor
- 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
- IMTF Inflammatory Myofibroblastic Tumors (IMT), 2p23 (ALK) 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, Tissue
- PDGF PDGFB (22q13), Dermatofibrosarcoma Protuberans/Giant Cell Fibroblastoma, FISH, Tissue
- SS18F Synovial Sarcoma (SS), 18q11.2 (SS18 or SYT) Rearrangement, FISH, Tissue
- USPF USP6 (17p13), Aneurysmal Bone Cyst and Nodular Fasciitis, FISH, Tissue

Breast

- MASF Angiosarcoma, MYC (8q24) Amplification, FISH, Tissue
- FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue
- H2BR HER2 Amplification Associated with Breast Cancer, FISH, Tissue
- ESR1 Estrogen Receptor 1 (ESR1) Mutation Analysis, Tumor
- ETV6F ETV6 (12p13.2) Rearrangement, FISH, Tissue

Immunohistochemical assays interpreted with digital image analysis

- ERPR Estrogen/Progesterone Receptor, Semi-Quantitative Immunohistochemistry, Manual
- KI67B Ki-67(MIB-1), Breast, Quantitative Immunohistochemistry, Automated
- HERBA HER2, Breast, Quantitative Immunohistochemistry, Automated with HER2 FISH Reflex

- HERBN HER2, Breast, Quantitative Immunohistochemistry, Automated with HER2 FISH Reflex
- HERDM HER2, Breast, Quantitative Immunohistochemistry, Automated with HER2 FISH Reflex
- HERDN HER2, Breast, Quantitative Immunohistochemistry, Automated with HER2 FISH Reflex

Gastrointestinal

- BILAO Biliary Tract Malignancy, FISH
- BRAFT BRAF Mutation Analysis (V600E), Tumor
- EGFRD 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 Gastrointestinal Stromal Tumor (GIST) Targeted Gene Panel, Next-Generation Sequencing, Tumor
- H2GE HER2 Amplification Associated with Gastroesophageal Cancer, FISH, Tissue
- H2MT HER2 Amplification, Miscellaneous Tumor, FISH, Tissue
- HERGM HER2, Gastric/Esophageal, Semi-Quantitative Immunohistochemistry, Manual
- HERGN HER2, Gastric/Esophageal, Semi-Quantitative Immunohistochemistry, Manual, No Reflex

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<input type="checkbox"/> KINET	Ki-67(MIB-1), Gastrointestinal/Pancreatic Neuroendocrine Tumors, Quantitative Immunohistochemistry, Automated
<input type="checkbox"/> KRASC	KRAS Mutation Analysis, 7 Mutation Panel, Colorectal
<input type="checkbox"/> METF	MET (7q31), FISH, Tissue
<input type="checkbox"/> ML1HM	MLH1 Hypermethylation Analysis, Tumor
<input type="checkbox"/> BRMLH	MLH1 Hypermethylation and BRAF Mutation Analysis, Tumor
<input type="checkbox"/> IHC	Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor
<input type="checkbox"/> TMSI	Microsatellite Instability, Tumor
<input type="checkbox"/> RASFP	RAS/RAF Targeted Gene Panel, Next-Generation Sequencing, Tumor

Genitourinary

<input type="checkbox"/> TFE3F	Alveolar Soft Part Sarcoma (ASPS)/Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue
<input type="checkbox"/> GCTF	Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue
<input type="checkbox"/> H2UR	HER2 Amplification Associated with Urothelial Carcinoma, FISH, Tissue
<input type="checkbox"/> FUR0C	UroVysion for Detection of Bladder Cancer, Urine
<input type="checkbox"/> NUT1F	NUTM1 (15q14) Rearrangement, FISH, Tissue
<input type="checkbox"/> PROF	Prostate Tumor, FISH, Tissue
<input type="checkbox"/> TFEBF	Renal Cell Carcinoma, 6p21.1 (TFEB) Rearrangement, FISH, Tissue

Gynecology

Endometrial/Uterine Carcinoma

<input type="checkbox"/> ESTUF	Endometrial Stromal Tumors (EST), 7p15 (JAZF1), 6p21.32 (PHF1), 17p13.3 (YWHAE) Rearrangement, FISH, Tissue
<input type="checkbox"/> ML1HM	MLH1 Hypermethylation Analysis, Tumor

Ovarian Carcinoma

<input type="checkbox"/> XL2	FOXL2 Mutation Analysis, Tumor
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Gestational/Trophoblastic Disease/ Molar Pregnancy

<input type="checkbox"/> POCF	Products of Conception (POC) Aneuploidy Detection, FISH, Paraffin-Embedded Tissue
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Lower Anal-Genital Tract Carcinoma

<input type="checkbox"/> HPV6E	Human Papillomavirus (HPV) High-Risk E6/E7, RNA In Situ Hybridization
<input type="checkbox"/> HPVHL	Human Papillomavirus (HPV) High/Low Risk, DNA In Situ Hybridization
<input type="checkbox"/> HPVHR	Human Papillomavirus (HPV), High-Risk, DNA In Situ Hybridization
<input type="checkbox"/> HPVLR	Human Papillomavirus (HPV), Low-Risk, DNA In Situ Hybridization

Head and Neck

<input type="checkbox"/> FGF1F	FGFR1 (8p11.2) Amplification, FISH, Tissue
<input type="checkbox"/> HPVHL	Human Papillomavirus (HPV) High/Low Risk, DNA In Situ Hybridization
<input type="checkbox"/> HPVHR	Human Papillomavirus (HPV), High-Risk, DNA In Situ Hybridization
<input type="checkbox"/> HPVLR	Human Papillomavirus (HPV), Low-Risk, DNA In Situ Hybridization
<input type="checkbox"/> MAMLF	MAML2 (11q21) Rearrangement, Mucoepidermoid Carcinoma (MEC), FISH, Tissue
<input type="checkbox"/> SGTF	MYB (6q23) Rearrangement, FISH, Tissue

Melanoma

<input type="checkbox"/> BRAFB	Cell-Free DNA BRAF V600, Blood
<input type="checkbox"/> BRAFC	BRAF Mutation Analysis (V600), Melanoma
<input type="checkbox"/> MELF	Melanoma, FISH, Tissue
<input type="checkbox"/> MELP	Melanoma Targeted Gene Panel, Next-Generation Sequencing, Tumor
<input type="checkbox"/> UMM3F	Uveal Melanoma, Chromosome 3 Monosomy, FISH, Tissue

Neuro-oncology

<input type="checkbox"/> GLIOF	1p/19q Deletion in Gliomas, FISH, Tissue
<input type="checkbox"/> BRAFT	BRAF Mutation Analysis (V600E), Tumor
<input type="checkbox"/> CMAPT	Chromosomal Microarray, Tumor, Formalin-Fixed Paraffin-Embedded
<input type="checkbox"/> GCTF	Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue
<input type="checkbox"/> IDH12	IDH12 Isocitrate Dehydrogenase 1 and 2 (IDH1/IDH2) Mutation Analysis, Tumor
<input type="checkbox"/> MEDF	Medulloblastoma, FISH, Tissue
<input type="checkbox"/> MGMT	MGMT Promoter Methylation, Tumor
<input type="checkbox"/> NONCP	Neuro-Oncology Expanded Panel with Rearrangement, Tumor
<input type="checkbox"/> TERT	TERT Promoter Analysis, Tumor

Pulmonary

<input type="checkbox"/> BRAFT	BRAF Mutation Analysis (V600E), Tumor
<input type="checkbox"/> EGFRT	EGFR Gene, Mutation Analysis, 29 Mutation Panel, Tumor
<input type="checkbox"/> FGF1F	FGFR1 (8p11.2) Amplification, FISH, Tissue
<input type="checkbox"/> KRASO	KRAS Mutation Analysis, 7 Mutation Panel, Other (Non-Colorectal)
<input type="checkbox"/> LCAF	Lung Cancer, ALK (2p23) Rearrangement, FISH, Tissue
<input type="checkbox"/> EGFRR	Lung Cancer, EGFR with ALK Reflex, Tumor
<input type="checkbox"/> LNGPR	Lung Cancer-Targeted Gene Panel with Rearrangement, Tumor

<input type="checkbox"/> LUNGP	Lung Cancer-Targeted Gene Panel, Tumor
<input type="checkbox"/> LUNGR	Lung Cancer Rearrangement Testing, Tumor
<input type="checkbox"/> RETF	Lung Cancer, RET (10q11) Rearrangement, FISH, Tissue
<input type="checkbox"/> ROS1F	Lung Cancer, ROS1 (6q22) Rearrangement, FISH, Tissue
<input type="checkbox"/> METF	MET (7q31), FISH, Tissue

ONCOLOGY: MOLECULAR DIAGNOSTIC TESTING

Gastrointestinal

<input type="checkbox"/> APCZ	APC Gene, Full Gene Analysis
<input type="checkbox"/> LYNCH	Lynch Syndrome Panel
<input type="checkbox"/> MLH1Z	MLH1 Gene, Full Gene Analysis
<input type="checkbox"/> MSH2Z	MSH2 Gene, Full Gene Analysis
<input type="checkbox"/> MSH6Z	MSH6 Gene, Full Gene Analysis
<input type="checkbox"/> MYHZ	MUTYH Analysis, Full Gene Analysis
<input type="checkbox"/> PMS2Z	PMS2 Gene, Full Gene Analysis
<input type="checkbox"/> U1A1V	UDP-Glucuronosyl Transferase 1A1 TA Repeat Genotype, UGT1A1
<input type="checkbox"/> UGTFG	UDP-Glucuronosyl Transferase 1A1 (UGT1A1), Full Gene Sequencing

Inherited Endocrine

<input type="checkbox"/> RETZ	RET Proto-Oncogene, Full Gene Analysis
<input type="checkbox"/> SDHP	SDHB, SDHC, SDHD Gene Panel
<input type="checkbox"/> VHLZ	VHL Gene, Full Gene Analysis

PRIMARY BODY FLUID TESTS

Tests for disease monitoring or aiding in the diagnosis

Bone and Soft Tissue

<input type="checkbox"/> IFG23	Intact Fibroblast Growth Factor 23, Serum
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Breast

<input type="checkbox"/> C2729	Breast Carcinoma-Associated Antigen, Serum
<input type="checkbox"/> CA153	Cancer Antigen 15-3 (CA 15-3), Serum

Endocrine

Thyroid Cancer

<input type="checkbox"/> CATLN	Calcitonin, Fine-Needle Aspiration Biopsy (FNAB)-Needle Wash, Lymph Node
<input type="checkbox"/> CATN	Calcitonin, Serum
<input type="checkbox"/> CEA	Carcinoembryonic Antigen (CEA), Serum
<input type="checkbox"/> TGMS	Thyroglobulin Mass Spectrometry, Serum
<input type="checkbox"/> TFNAB	Thyroglobulin, Tumor Marker, Fine-Needle Aspiration Biopsy Needle Wash
<input type="checkbox"/> HTGR	Thyroglobulin, Tumor Marker Reflex, Serum
<input type="checkbox"/> HTG2	Thyroglobulin, Tumor Marker, Serum

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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, Plasma

Pituitary Tumors

ACTH Adrenocorticotrophic Hormone, 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, 24 Hour, Urine

HVAR Homovanillic Acid, Random, Urine

HIAA 5-Hydroxyindoleacetic Acid, 24 Hour, 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 and Homovanillic Acid, Random, Urine

VMA Vanillylmandelic Acid, 24 Hour, Urine

VMAR Vanillylmandelic Acid, Random, Urine

Gastrointestinal

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 Fluid

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, Serum

FOBT Fecal Occult Blood, Colorectal Cancer Screen, Qualitative, Immunochemical, Feces

GAST Gastrin, Serum

GLP Glucagon, Plasma

HCCGS Hepatocellular Carcinoma Risk Panel with GALAD Score, Serum

HIAA 5-Hydroxyindoleacetic Acid, 24 Hour, Urine

NSE Neuron-Specific Enolase (NSE), Serum

HPP Pancreatic Polypeptide, Plasma

SERU Serotonin, 24 Hour, Urine

SERWB Serotonin, Blood

VIP Vasoactive Intestinal Polypeptide, Plasma

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

PHI11 Prostate Health Index (phi), Serum

PSAFT Prostate-Specific Antigen (PSA), Total and Free, Serum

Gynecology

BHCG Beta-Human Chorionic Gonadotropin, Quantitative, Serum

CA25 Cancer Antigen 125 (CA 125), Serum

HE4 Human Epididymis Protein 4, Serum

INHA Inhibin A, Tumor Marker, Serum

INHAB Inhibin A and B, Tumor Marker, Serum

INHB Inhibin B, Serum

ROMA ROMA Score (Ovarian Malignancy Risk Algorithm), Serum

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)**