

MML Internal Use Only

Client Information (required)

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

Patient Information (required)

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

Submitting Physician/ Physician Name Information (required)

Submitting/Referring Physician (Last, First)	Fill in only if Call Back is required. Phone () _____ - _____ Fax * () _____ - _____
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*Fax number given must be from a fax machine that complies with applicable HIPAA regulation.

Reason for Referral (required; include pathology case number, if appropriate)

	ICD-10 Diagnosis Code
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Note: it is the client's responsibility to maintain documentation of the order.

New York State Patients: Informed Consent for Genetic Testing

"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." Signature _____ (Note: Test requests without a signature will not be performed.)

Specimens Provided

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

Pathologist's Name	Direct Phone Number	Fax Number
Pathology/Clinical Diagnosis (Please include a brief history, pertinent laboratory results, suspected diagnosis, and reason for referral.)		CBC results: HB _____ MCV _____ HCT _____ VBC _____ RBC _____ PLT _____

Ship specimens to:

Mayo Medical Laboratories
 3050 Superior Drive NW
 Rochester, MN 55901

Billing Information

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

Customer Service: 855-516-8404

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

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

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PATHOLOGY

70012	Pathology Consultation* <i>Appropriate stains and ancillary testing may be performed in order to render an accurate diagnosis</i>
Chromosome Analysis	
CHRBFB	Chromosome Analysis, Body Fluid
CHRST	Chromosome Analysis, Solid Tumors
Next Generation Sequencing	
GISTP	GIST Targeted Gene Panel by Next Generation Sequencing, Tumor
MELP	Melanoma Targeted Gene Panel by Next Generation Sequencing, 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, FFPE
CMAT	Chromosomal Microarray, Tumor, Fresh or Frozen using Affymetrix Cytoscan HD

PATHOLOGY: TARGETED TUMOR TESTING

Bone and Soft Tissue	
FOXOF	Alveolar Rhabdomyosarcoma (ARMS), 13q14 (FOXO1 or FKHR) 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

Immunohistochemical assays interpreted with digital image analysis	
89213	Estrogen/Progesterone Receptor, Semi-Quantitative Immunohistochemistry, Manual
81504	HER2, Breast, Quantitative Immunohistochemistry, Automated
89027	Ki-67(MIB-1), Breast, Quantitative Immunohistochemistry, Automated

Gastrointestinal	
84357	Biliary Tract Malignancy, Cytology and Molecular Testing
19701	Biliary Tract Malignancy, FISH Only
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*
GISTP	GIST Targeted Gene Panel by Next Generation Sequencing, Tumor
H2GEF	HER2 Amplification Associated with Gastroesophageal Cancer, 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*
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*
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
CTCPC	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

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

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

Gestational/Trophoblastic Disease/ Molar Pregnancy	
POCF	Products of Conception (POC) Aneuploidy Detection, FISH, Paraffin-Embedded Tissue

Lower Anal-Genital Tract Carcinoma	
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

*Algorithms are available online for these tests. Visit www.MayoMedicalLaboratories.com

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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	
BRAFC	BRAF Mutation Analysis (V600), Melanoma*
UVEAL	GNAQ/GNA11 Mutation Analysis, Uveal 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
RASFP	RAS/RAF Targeted Gene Panel by Next Generation Sequencing, Tumor
UMM3F	Uveal Melanoma, Chromosome 3 Monosomy, FISH, Tissue
Neuro-oncology	
BRAFT	BRAF Mutation Analysis (V600E), Tumor
CMAPT	Chromosomal Microarray, Tumor, FFPE
GCTF	Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue
IDH	IDH1/2, Mutation Analysis
MEDF	Medulloblastoma, FISH, Tissue
MGMT	MGMT Promoter Methylation, Tumor
GLIOF	1p/19q Deletion in Gliomas, FISH, Tissue
Pulmonary	
BRAFT	BRAF Mutation Analysis (V600E), Tumor*
EGFRT	EGFR Gene, Mutation Analysis, 29 Mutation Panel, Tumor*
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*
RETF	Lung Cancer, RET (10q11) Rearrangement, FISH, Tissue
ROS1F	Lung Cancer, ROS1 (6q22) Rearrangement, FISH, Tissue
METF	MET (7q31), FISH, Tissue

ONCOLOGY: MOLECULAR DIAGNOSTIC TESTING

Gastrointestinal Tumors	
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*
MLH1Z	MLH1 Gene, Full Gene Analysis*
MSH2Z	MSH2 Gene, Full Gene Analysis*
MSH6Z	MSH6 Gene, Full Gene Analysis*
MUTYH	MYH Gene Analysis for Multiple Adenoma, Y165C and G382D*
PMS2Z	PMS2 Gene, Full Gene Analysis*
U1A1	UDP-Glucuronosyl Transferase 1A1 TA Repeat Genotype, UGT1A1*
UGT1	UDP-Glucuronosyl Transferase 1A1 (UGT1A1), Full Gene Sequencing, Irinotecan Hypersensitivity*
Inherited Endocrine Tumors	
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	Adrenocorticotropic 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, Plasma, Free
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	
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	
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 ID and Name)
