

Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Street Address		
City	State	ZIP Code

Submitting Provider Information (required)

Submitting/Referring Provider Name <i>(Last, First)</i>

Fill in only if Call Back is required.

Phone (with area code)	Fax* (with area code)
National Provider Identification (NPI)	

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

Pathologist Information (required)

Submitting/Referring Pathologist Name <i>(Last, First)</i>	
Phone (with area code)	Fax* (with area code)
National Provider Identification (NPI)	

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

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: 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 55905

Customer Service: 800-533-1710

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

Patient Information (required)

Patient ID (Medical Record No.)	
Patient Name <i>(Last, First, Middle)</i>	
Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	Birth Date <i>(mm-dd-yyyy)</i>
Collection Date <i>(mm-dd-yyyy)</i>	Time <input type="checkbox"/> am <input type="checkbox"/> pm

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 of 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> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</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

<p>PD-L1 Immunohistochemical stains</p> <p><input type="checkbox"/> 22C3 Programmed Death-Ligand 1 (PD-L1) (22C3), Semi-Quantitative Immunohistochemistry, Manual</p> <p><input type="checkbox"/> 288PD Programmed Death-Ligand 1 (PD-L1) (28-8), Semi-Quantitative Immunohistochemistry, Manual</p> <p><input type="checkbox"/> SP142 Programmed Death-Ligand 1 (PD-L1) (SP142), Semi-Quantitative Immunohistochemistry, Manual</p> <p><input type="checkbox"/> SP263 Programmed Death-Ligand 1 (PD-L1) (SP263), Semi-Quantitative Immunohistochemistry, Manual</p> <p>Microsatellite Instability (MSI)/Mismatch Repair</p> <p><input type="checkbox"/> TMSI Microsatellite Instability, Tumor</p> <p><input type="checkbox"/> IHC Mismatch Repair (MMR) Protein Immunohistochemistry Only, Tumor</p> <p>Pan-Cancer Biomarkers</p> <p><input type="checkbox"/> NTRK NTRK Gene Fusion Panel, Tumor</p> <p><input type="checkbox"/> NTRKM <i>NTRK</i> Genes Mutation Analysis, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> BRAFD BRAF V600E/V600K Somatic Mutation Analysis, Tumor</p>	<p>Next-Generation Sequencing (NGS) Panels</p> <p><input type="checkbox"/> MCBPP MayoComplete Bladder Prostate Panel</p> <p><input type="checkbox"/> MCCRC MayoComplete Colorectal Cancer Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCSRC MayoComplete Comprehensive Sarcoma Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCECP MayoComplete Endometrial Carcinoma Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCGST MayoComplete Gastrointestinal Stromal Tumor (GIST) Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCGYN MayoComplete Gynecological Cancer Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCKCP MayoComplete Kidney Cancer Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCLNG MayoComplete Lung Cancer-Targeted Gene Panel with Rearrangement, Tumor</p> <p><input type="checkbox"/> MCMLN MayoComplete Melanoma Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCSTP MayoComplete Solid Tumor Panel, Next-Generation Sequencing, Tumor</p>	<p><input type="checkbox"/> NONCP Neuro-Oncology Expanded Gene Panel with Rearrangement, Tumor</p> <p><input type="checkbox"/> MCOCP MayoComplete Ovarian, Fallopian Tube, and Peritoneal Cancer Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> MCFRC MayoComplete Renal Cell Carcinoma with Fibromyomatous Stroma Panel, Next-Generation Sequencing, Tumor</p> <p><input type="checkbox"/> SARCP Sarcoma Targeted Gene Fusion/Rearrangement Panel, Next-Generation Sequencing, Tumor</p> <p>Chromosomal Microarray</p> <p><input type="checkbox"/> CMAPT Chromosomal Microarray, Tumor, Formalin-Fixed Paraffin-Embedded</p> <p>Cell-Free DNA (cfDNA) Testing</p> <p><input type="checkbox"/> BRAFB Cell-Free DNA BRAF V600, Blood</p> <p><input type="checkbox"/> T790M Cell-Free DNA EGFR T790M Mutation Analysis, Blood</p> <p><input type="checkbox"/> KRASD Cell-Free DNA KRAS 12, 13, 61, 146, Blood</p> <p><input type="checkbox"/> MCLBP MayoComplete Liquid Biopsy Panel, Next-Generation Sequencing, Cell-Free DNA</p>
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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

TFE3F Alveolar Soft Part Sarcoma (ASPS)/Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue

MASF Angiosarcoma, MYC (8q24) Amplification, FISH, Tissue

CTNBT B-Catenin Mutations Analysis, Next-Generation Sequencing, Tumor

DICET *DICER1* Mutation Analysis, Next-Generation Sequencing, Tumor

ETV6F ETV6 (12p13.2) Rearrangement, FISH, Tissue

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

MYODT *MYOD1* Mutation Analysis, Next-Generation Sequencing, Tumor

IMTF Inflammatory Myofibroblastic Tumors (IMT), 2p23 (ALK) Rearrangement, FISH, Tissue

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

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

BRCAT BRCA1/2 Mutation Analysis, Next-Generation Sequencing, Tumor

PIK3B Cell-Free DNA PIK3CA Test, Blood

ESR1T ESR1 Mutations Analysis, Next-Generation Sequencing, Tumor

FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue

H2BR HER2 Amplification Associated with Breast Cancer, FISH, Tissue

ESR1T ESR1 Mutations Analysis, Next-Generation Sequencing, Tumor

ETV6F ETV6 (12p13.2) Rearrangement, FISH, Tissue

PIK3T *PIK3CA* Mutation Analysis, Tumor

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

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Gastrointestinal

BRAFD BRAF V600E/V600K Somatic Mutation Analysis, Tumor

EGFRS EGFR Gene, Targeted Mutation Analysis, 51 Mutation Panel, Tumor

PRKAF Fibrolamellar Carcinoma, 19p13.1 (PRKACA) Rearrangement, FISH, Tissue

FGFR2 FGFR2 (10q26.1) Rearrangement, FISH, Tissue

H2GE HER2 Amplification Associated with Gastroesophageal Cancer, FISH, Tissue

H2MT HER2 Amplification, Miscellaneous Tumor, FISH, Tissue

KINET Ki-67(MIB-1), Gastrointestinal/Pancreatic Neuroendocrine Tumors, Quantitative Immunohistochemistry, Automated

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

TMSI Microsatellite Instability, Tumor

Genitourinary

TFE3F Alveolar Soft Part Sarcoma (ASPS)/ Renal Cell Carcinoma (RCC), Xp11.23 (TFE3), FISH, Tissue

GCTF Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue

H2UR HER2 Amplification Associated with Urothelial Carcinoma, FISH, Tissue

MCKCP MayoComplete Kidney Cancer Panel, Next-Generation Sequencing, Tumor

FUROC UroVysion for Detection of Bladder Cancer, Urine

MCBPP MayoComplete Bladder Prostate Panel

MCFRC MayoComplete Renal Cell Carcinoma with Fibromyxomatous Stroma Panel, Next-Generation Sequencing, Tumor

NUT1F NUTM1 (15q14) Rearrangement, FISH, Tissue

TFEFB Renal Cell Carcinoma, 6p21.1 (TFEB) Rearrangement, FISH, Tissue

SDHMP SDH Genes Mutation Analysis, Next-Generation Sequencing, Tumor

TFH FH Mutation Analysis, Next-Generation Sequencing, Tumor

Gynecology

Endometrial/Uterine Carcinoma

ESTUF Endometrial Stromal Tumors (EST), 7p15 (JAZF1), 6p21.32 (PHF1), 17p13.3 (YWHAE) Rearrangement, FISH, Tissue

MCGYN MayoComplete Gynecological Cancer Panel, Next-Generation Sequencing, Tumor

MCECP MayoComplete Endometrial Carcinoma Panel, Next-Generation Sequencing, Tumor

ML1HM MLH1 Hypermethylation Analysis, Tumor

POLET POLE Mutation Analysis, Next-Generation Sequencing, Tumor

Ovarian Carcinoma

XL2T FOXL2 Mutations Analysis, Next-Generation Sequencing, Tumor

MCOCP MayoComplete Ovarian, Fallopian Tube, and Peritoneal Cancer Panel, Next-Generation Sequencing, Tumor

Lower Anal-Genital Tract Carcinoma

HPVE6 Human Papillomavirus (HPV) High-Risk E6/E7, RNA In Situ Hybridization

HPVHL Human Papillomavirus (HPV) High/Low Risk, In Situ Hybridization

HPVLR Human Papillomavirus (HPV), Low-Risk, In Situ Hybridization

Head and Neck

FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue

HPVHL Human Papillomavirus (HPV) High/Low Risk, In Situ Hybridization

HPVE6 Human Papillomavirus (HPV) High-Risk E6/E7, RNA In Situ Hybridization

HPVLR Human Papillomavirus (HPV), Low-Risk, 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, Blood

BRAFD BRAF V600E/V600K Somatic Mutation Analysis, Tumor

BRFKT BRAF/KIT Mutation Analysis, Next-Generation Sequencing, Tumor

Neuro-Oncology

GLIOF 1p/19q Deletion in Gliomas, FISH, Tissue

ALKT ALK Mutation Analysis, Next-Generation Sequencing, Tumor

BRAFD BRAF V600E/V600K Somatic Mutation Analysis, Tumor

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

GCTF Germ Cell Tumor (GCT), Isochromosome 12p, FISH, Tissue

HISGT Histone Genes Mutation Analysis, Next-Generation Sequencing, Tumor

IDHT IDH1/IDH2 Mutations Analysis, Next-Generation Sequencing, Tumor

IDTRT IDH1, IDH2, and TERT Mutation Analysis, Next-Generation Sequencing, Tumor

MGMT MGMT Promoter Methylation, Tumor

NONCP Neuro-Oncology Expanded Panel with Rearrangement, Tumor

TERTT TERT Promoter Mutations, Next-Generation Sequencing, Tumor

TP53 TP53 Mutation Analysis, Next-Generation Sequencing, Tumor

Pulmonary

ALKT ALK Mutation Analysis, Next-Generation Sequencing, Tumor

BRAFD BRAF V600E/V600K Somatic Mutation Analysis, Tumor

EGFRS EGFR Gene, Targeted Mutation Analysis, 51 Mutation Panel, Tumor

EGFRW EGFR Targeted Mutation Analysis with ALK Reflex, Tumor

FGF1F FGFR1 (8p11.2) Amplification, FISH, Tissue

KRASP KRAS Somatic Mutation Analysis, Tumor

LCAF Lung Cancer, ALK (2p23) Rearrangement, FISH, Tissue

RETF Lung Cancer, RET (10q11) Rearrangement, FISH, Tissue

ROS1F Lung Cancer, ROS1 (6q22) Rearrangement, FISH, Tissue

MESOF Mesothelioma, CDKN2A Fish, Tissue

METF MET (7q31), FISH, Tissue

HEREDITARY ONCOLOGY TESTING

BAP1Z BAP1-Tumor Predisposition Syndrome, BAP1 Full Gene Analysis

BHDZ Birt-Hogg-Dube Syndrome, FLCN, Full Gene Analysis

HBOCZ BRCA1/BRCA2 Genes, Full Gene Analysis

BRGYP Hereditary Breast/Gynecologic Cancer Panel

COMCP Hereditary Common Cancer Panel

CDHZ Hereditary Diffuse Gastric Cancer Syndrome, CDH1, Full Gene Analysis

ENDCP Hereditary Endocrine Cancer Panel

XCP Hereditary Expanded Cancer Panel

CRCGP Hereditary Gastrointestinal Cancer Panel

LRCCZ Hereditary Leiomyomatosis and Renal Cell Cancer Syndrome, FH, Full Gene Analysis

PANCP Hereditary Pancreatic Cancer Panel

HPGLP Hereditary Paraganglioma/Pheochromocytoma Panel

PRS8P Hereditary Prostate Cancer Panel

RENCPC Hereditary Renal Cancer Panel

THYRP Hereditary Thyroid Cancer Panel

WILMP Hereditary Wilms Tumor Panel

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- LYNCP Lynch Syndrome Panel
- RETZZ Multiple Endocrine Neoplasia Type 2 Syndrome, *RET*, Full Gene Analysis
- NF1Z Neurofibromatosis Type 1, *NF1*, Full Gene Analysis
- PTNZ PTEN Hamartoma Tumor Syndrome, *PTEN* Full Gene Analysis
- STK1Z Peutz-Jeghers Syndrome, *STK11*, Full Gene Analysis
- BRTP Rapid Hereditary Breast Cancer Treatment Decision Panel
- UGTFG UDP-Glucuronosyltransferase 1A1 (UGT1A1), Full Gene Sequencing
- U1A1Q UDP-Glucuronosyltransferase 1A1 TA Repeat Genotype, UGT1A1
- VHLZZ Von Hippel Lindau Syndrome, *VHL*, Full Gene Analysis

**PRIMARY BODY FLUID TESTS
TESTS FOR DISEASE MONITORING
OR AIDING IN THE DIAGNOSIS**

Bone and Soft Tissue

- IFG23 Intact Fibroblast Growth Factor 23, Serum
- Breast**
- C2729 Breast Carcinoma-Associated Antigen, 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
 - TFNAB Thyroglobulin, Tumor Marker, Fine-Needle Aspiration Biopsy Needle Wash
 - HTGR Thyroglobulin, Tumor Marker Reflex, Serum
 - HTG2 Thyroglobulin, Tumor Marker, Serum

Neuroendocrine Tumors

- CGAK Chromogranin A, Serum
- GAST Gastrin, Serum
- GLP Glucagon, Plasma
- NSE Neuron-Specific Enolase, 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, 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
 - METRN 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, 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 Reflex, 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)**
