GERMLINE/HEREDITARY TESTS - 1 EDTA Purple Top Tube, Whole Blood (EVEN IF MULTIPLE TESTS ORDERED) PB= Peripheral Blood						
Test	**CPT**	**EPIC Test Code**	**SQ Translation**	**Atlas Code**	**TAT days**	**Specimen Type**
Bile Acid Defects Gene Sequencing Panel	81479, G0452	DNA2100035	RTG	HFHDNA52	10-14	PB
BRCA1 and BRCA2 Sequencing and Full Deletions/ Duplications	81162, G0452	DNA210008	RTG	HFHDNA20	10-14	PB
Customized Hereditary Cancer Testing (94 genes)	81455	DNA2100026	RTG	HFHDNA36	10-14	PB
Cystic Fibrosis	81220, 81224 (poly T allele, reflex), G0452	DNA2100003	RTG	HFHDNA03	10-14	PB
Cystic Diseases of the Liver/Kidney Gene Sequencing Panel	81406, 81408, 81407, 81479, G0452	DNA2100036	RTG	HFHDNA53	10-14	
Expanded Analysis of Previous Hereditary Risk Testing	N/A	DNA2100046	RTG	HFHDNA46	14	PB
Factor V (Leiden)	81241, G0452	DNA2100015	RTG	HFHDNA15	5-7	PB
Familial Amyloidosis (hATTR) (TTR) Gene Sequencing	81404, G0452	DNA2100037	RTG	HFHDNA54	10-14	PB
Familial Mediterranean Fever (FMF) -not tested by HFH CPD	81402 Z-Code ZB0Q2	LAB1968	RTG	WFAMED	9-16	PB
Fragile X Syndrome	81243, G0452	DNA2100005	RTG	HFHDNA05	5-7	PB
Hereditary Breast Cancer Risk Panel (15 genes)	81162, 81307, 81321, 81323, 81404, 81405x2, 81406, 81408x2, G0452	DNA2100021	RTG	HFHDNA32	10-14	PB
Hereditary Breast/Ovarian Cancer-Related Gene Sequence Analysis with deletion/duplication (20 genes)	81432, 81433, G0452	DNA210009	RTG	HFHDNA21	10-14	PB
Hereditary Colorectal/HNPCC Cancer Risk Panel (21 genes)	81435, 81436, G0452	DNA210006	RTG	HFHDNA22	10-14	PB
Hereditary Endometrial Cancer Risk Panel (17 genes)	81432, 81433, G0452	DNA210004	RTG	HFHDNA24	10-14	PB
Hereditary Hemochromatosis (HFE)	81256, G0452	DNA2100007	RTG	HFHDNA07	10-14	PB
Hereditary Melanoma Risk Panel (10 genes)	81404, G0452	DNA210002	RTG	HFHDNA26	10-14	PB
Hereditary Multi-Cancer Risk Assessment Panel (50 genes)	81432, 81433, 81435, 81436, 81437, 81438, G0452	DNA2100026	RTG	HFHDNA37	10-14	PB
Hereditary Neuroendocrine Tumor Disorders Risk Panel (15 genes)	81437, 81438, G0452	DNA210000	RTG	HFHDNA28	10-14	PB
Hereditary Renal/Urinary Tract Cancer Panel (27 genes)	81292, 81295, 81298, 81307, 81317, 81321, 81351, 81404x2, 81405x4, 81406, 81407, 81438, G0452	DNA2100027	RTG	HFHDNA39	10-14	PB
Methylenetetrahydrofolate reductase (MTHFR) -not tested by HFH CPD	81291 Z-code: ZB0WQ	LAB1969	RTG	WMTHFA	5-7	PB
PGx-DPYD Genotyping	81232, G0452	DNA210010	RTG	HFHDNA55	10-14	PB
PGx- Cytochrome P450 2C9 (CYP2C9)	81227, G0452	DNA2100038	RTG	HFHDNA38	10-14	PB
PGx- Cytochrome P450 2C19 (CYP2C19)	81225, G0452	DNA2100024	RTG	HFHDNA35	10-14	PB
Prothrombin 20210 G -->A	81240, G0452	DNA2100016	RTG	HFHDNA16	5-7	PB
Thrombotic Risk Profile (Factor V Leiden + Prothrombin 20210G-->A)	81241, 81240, G0452	DNA2100	RTG	HFHDNA47	5-7	PB

CYTOGENOMIC TESTS			**Most tests require whole blood or bone marrow in a sodium heparin, dark green top tube, NO separator *Special instructions for Microarray PB = Peripheral Blood BM = Bone Marrow**			
Test	**CPT**	**EPIC Test Code**	**SQ Translation**	**Atlas Code**	**TAT days**	**Specimen Type**
Chromosome Analysis, Blood - Congenital/Reproductive Disorders	88230, 88262, 88291	CYTO40403	RTCG1	HFHGCG403	7-21	PB - Sodium Heparin
Chromosome Analysis, Blood- High Resolution, Congenital/Reproductive Disorders	88230, 88262, 88289, 88291	CYTO40404	RTCG1	HFHGCG404	7-21	PB - Sodium Heparin
Chromosome Analysis, Amniotic Fluid	88235, 88267, 88280, 88285, 88291	CYTO40401	RTCG1	HFHGCG401	7-14	Amniotic Fluid & Maternal PB EDTA
Chromosome Analysis, Chorionic Villus Sample (CVS)	88235, 88267, 88280, 88285, 88291	CYTO40402	RTCG1	HFHGCG402	7-14	CVS
Chromosome Analysis, Products of Conception (POC) or Skin Biopsy	88233, 88262, 88291	CYTO40405	RTCG1	HFHGCG405	14-28	Tissue add Maternal PB EDTA (for POC)
Chromosome Analysis, Oncology - Bone Marrow/Blood/Lymph node	88237x2, 88264, 88280, 88291	CYTO40406	RTCG1	HFHGCG406	5-10	BM or PB or Tissue
Chromosome Analysis, Oncology - Tumor	88239, 88264, 88280, 88291	CYTO40407	RTCG1	HFHGCG407	14-28	Tissue
Cytogenetics Analysis (OTHER-SEND OUT)	Varies based on genes selected. Please call 313-916-4DNA	CYTO2100003	RTCG1	HFHGCG03	Varies	Varies
Her-2/neu Gene Amplification Assay (FISH) (For non-HFHS orders only, enter test name and CPT code)	88377	Order as: CYTO2100003	RTCG1	Order as: HFHGCG03	3-5	FFPE Tissue
FISH Bile Tract Malignancy	88377	CYTO21203	RTCG1	HFHGCG203	5-7	Brushing
FISH Constitutional/Reproductive Disorder Testing	88271x3, 88273, 88275	CYTO21205	RTCG1	HFHGCG205	5-7	PB - Sodium Heparin
FISH Oncology Testing: Bone Marrow/Tumor/Lymph Node	88271x10, 88275x5	CYTO21201	RTCG1	HFHGCG201	5-7	BM or Tissue
FISH Oncology Testing: Leukemic Blood	88271x10, 88275x5	CYTO21200	RTCG1	HFHGCG200	5-7	PB - Sodium Heparin
FISH Prenatal Aneuploidy Screen	88271x5, 88274x2	CYTO21202	RTCG1	HFHGCG202	5-7	PB - Sodium Heparin
FISH UroVysion for Bladder Cancer	88120	CYTO21204	RTCG1	HFHGCG204	5-7	Special Urine Collection
HFCPD Miscarriage Panel (MCC and Microarray, POC)	81229, 81265	O878901	RTCG1	HFHGCG412 & HFHGCG408	7-28	Tissue and Maternal PB EDTA
Maternal Cell Contamination (MCC Studies)	81265	CYTO40412	RTCG1	HFHGCG412	7-28	PB- Lavender
Microarray, Amniotic Fluid/Chorionic Villi/Products of Conception	81229	CYTO40408	RTCG1	HFHGCG408	7-21	Amniotic Fluid or Tissue and Maternal PB EDTA or FFPE Tissue
Microarray, Blood- Congenital Disorders	81229	CYTO40409	RTCG1	HFHGCG409	7-21	1 PB Sodium Heparin & 1 PB EDTA
Microarray, Leukemic Blood/Bone Marrow - Oncology	81277	CYTO40410	RTCG1	HFHGCG410	7-21	1 Leukemic PB or BM, Sodium Heparin
Microarray, Paraffin Embedded, Tumor	81277	CYTO40411	RTCG1	HFHGCG411	7-21	FFPE Tissue
Y Chromosome Microdeletion	81403	DNA2100014	RTCG1	HFHDNA14	Varies	1 PB Sodium Heparin & 1 PB EDTA

HEMATOLOGIC AND HEMATOLYMPHOID TESTS (page 1)					Peripheral Blood (PB) Bone Marrow (BM)	
Test	**CPT**	**EPIC Test Code**	**SQ Translation**	**Atlas Code**	**TAT days**	**Specimen Type**
ALL Sequencing Panel, blood	81455, G0452	MOL8037	RTG	HFHMO85	5-7	PB
ALL Sequencing Panel, bone marrow	81455, G0452	MOL8038	RTG	HFHMO85b	5-7	BM
B Cell Gene Rearrangement, Blood	81261, G0452	MOL80411	RTG	HFHMO38	5-7	PB
B Cell Gene Rearrangement, Bone Marrow	81261, G0452	MOL80412	RTG	HFHMO39	5-7	BM
BCR-ABL t(9;22), p210, Blood	81206, G0452	MOL80351	RTG	HFHMO25	3-5	PB
BCR-ABL t(9;22), p210, Bone Marrow	81206, G0452	MOL80352	RTG	HFHMO26	3-5	BM
BCR-ABL t(9;22), p190, Blood	81207, G0452	MOL80361	RTG	HFHMO27	3-5	PB
BCR-ABL t(9;22), p190, Bone Marrow	81207, G0452	MOL80362	RTG	HFHMO28	3-5	BM
CALR Mutation, Blood	81219, G0452	MOL80421	RTG	HFHMO40	5-10	PB
CALR Mutation, Bone Marrow	81219, G0452	MOL80422	RTG	HFHMO41	5-10	BM
CBFb/MYH11 inv(16), Blood	81401, G0452	MOL80381	RTG	HFHMO32	3-5	PB
CBFb/MYH11 inv(16), Bone Marrow	81401, G0452	MOL80382	RTG	HFHMO33	3-5	BM
CLL/SLL Sequencing Panel, Blood	81450, G0452	MOL8029	RTG	HFHMO82	5-10	PB
CLL/SLL Sequencing Panel, Bone Marrow	81450, G0452	MOL8034	RTG	HFHMO82b	5-10	BM
FLT3 Mutation Assessment, Blood	81245, 81246, G0452	MOL80431	RTG	HFHMO42	5-10	PB
FLT3 Mutation Assessment, Bone Marrow	81245, 81246, G0452	MOL80432	RTG	HFHMO43	5-10	BM
Hematolymphoid Neoplasm or Disorder Sequencing Panel (1-4 genes), Blood	Varies based on genes selected. Please call 313-916-4DNA	MOL80471	RTG	HFHMO50	5-10	PB
Hematolymphoid Neoplasm or Disorder Sequencing Panel (1-4 genes), Bone Marrow	Varies based on genes selected. Please call 313-916-4DNA	MOL80472	RTG	HFHMO51	5-10	BM
Hematolymphoid Neoplasm or Disorder Sequencing Panel (5-50 genes), Blood	81450, G0452	MOL80481	RTG	HFHMO52	5-10	PB
Hematolymphoid Neoplasm or Disorder Sequencing Panel (5-50 genes), Bone Marrow	81450, G0452	MOL80482	RTG	HFHMO53	5-10	BM
IDH1, Blood	81120, G0452	MOL80511	RTG	HFHMO58	5-10	PB
IDH1, Bone Marrow	81120, G0452	MOL80512	RTG	HFHMO59	5-10	BM
IDH2, Blood	81121, G0452	MOL80521	RTG	HFHMO60	5-10	PB
IDH2, Bone Marrow	81121, G0452	MOL80522	RTG	HFHMO61	5-10	BM
JAK2 Mutation, Blood	81279, G0452	MOL80441	RTG	HFHMO44	5-10	PB
JAK2 Mutation, Bone Marrow	81279, G0452	MOL80442	RTG	HFHMO45	5-10	BM
Lymphoid Neoplasm Sequencing Panel, Blood	81450, G0452	MOL8028	RTG	HFHMO81	5-10	PB
Lymphoid Neoplasm Sequencing Panel, Bone Marrow	81450, G0452	MOL8033	RTG	HFHMO81b	5-10	BM
Microsatellite Instability w/IHC, Blood	MSI: 81301, G0452 IHC: 88341x3, 88342; Reflex to MLH1: 81288	MOL80571	RTG	HFHMO69	5-7	PB
MPL, Blood	81339, G0452	MOL80541	RTG	HFHMO64	5-10	PB
MPL, Bone Marrow	81339, G0452	MOL80542	RTG	HFHMO65	5-10	BM
MYD88, Blood	81305, G0452	MOL80551	RTG	HFHMO66	5-10	PB
MYD88, Bone Marrow	81305, G0452	MOL80552	RTG	HFHMO67	5-10	BM
Myeloid PLUS Sequencing Panel, Blood	81450, G0452	MOL8031	RTG	HFHMO83	5-10	PB

HEMATOLOGIC AND HEMATOLYMPHOID TESTS (page 2)					Peripheral Blood (PB) / Bone Marrow (BM)	
Test	**CPT**	**EPIC Test Code**	**SQ Translation**	**Atlas Code**	**TAT days**	**Specimen Type**
Myeloid PLUS Sequencing Panel, Bone Marrow	81450, G0452	MOL8035	RTG	HFHMO83b	5-10	BM
Myeloproliferative Panel, Blood	81219, 81279, 81339, G0452	MOL80501	RTG	HFHMO56	5-10	PB
Myeloproliferative Panel, Bone Marrow	81219, 81279, 81339, G0452	MOL80502	RTG	HFHMO57	5-10	BM
NPM1 Mutation, Blood	81310, G0452	MOL80451	RTG	HFHMO46	5-10	PB
NPM1 Mutation, Bone Marrow	81310, G0452	MOL80452	RTG	HFHMO47	5-10	BM
Nucleic Acid Extract and Hold, Bone Marrow	N/A	MOL80562	RTG	HFHMO68	N/A	BM
PML-RARA t(15;17). Blood	81315, G0452	MOL80371	RTG	HFHMO29	3-5	PB
PML-RARA t(15;17): APL, Bone Marrow	81315, G0452	MOL80372	RTG	HFHMO31	3-5	BM
Rapid AML Sequencing Panel, Blood	81455, G0452	MOL8032	RTG	HFHMO84	5-10	PB
Rapid AML Sequencing Panel, Bone Marrow	81455, G0452	MOL8036	RTG	HFHMO84b	5-10	BM
T Cell Rearrangement Beta, Blood	81340, G0452	MOL80391	RTG	HFHMO34	5-7	PB
T Cell Rearrangement Beta, Bone Marrow	81340, G0452	MOL80392	RTG	HFHMO35	5-7	BM
T Cell Rearrangement Gamma, Blood	81342, G0452	MOL80401	RTG	HFHMO36	5-7	PB
T Cell Rearrangement Gamma, Bone Marrow	81342, G0452	MOL80402	RTG	HFHMO37	5-7	BM
TP53, Blood	81351, G0452	MOL80531	RTG	HFHMO62	5-7	PB
TP53, Bone Marrow	81351, G0452	MOL80532	RTG	HFHMO63	5-7	BM

SOLID TUMOR TESTING

Test	CPT	EPIC Test Code	SQ Translation	Atlas Code	TAT days	Specimen Type
Breast Cancer Solid Tumor Sequencing Panel	81162, 81309, G0452	MOL8025	RTG	HFHMO75	5-10	Tissue
Colorectal Solid Tumor Gene Sequencing Panel	81210, 81275, 81276, 81311, G0452	MOL8002	RTG	HFHMO2	5-10	Tissue
Comprehensive Sarcoma Gene Fusion Pane: 26 genes available	81445, G0452	MOL8008	RTG	HFHMO8	5-10	Tissue
Comprehensive Solid Tumor Gene Fusion Panel: >50 genes available	81455, G0452	MOL8006	RTG	HFHMO6	5-10	Tissue
Comprehensive Solid Tumor Panel: 170 genes	81455, G0452	MOL8024	RTG	HFHMO24	10-20	Tissue
EGFRvIII- Brain Tumor	81403, G0452	MOL8010	RTG	HFHMO10	5-7	Tissue
Expanded HFCI Panel	81445, G0452	MOL8000	RTG	HFHMO80	5-10	Tissue
Gastrointestinal Solid Tumor Gene Sequencing Panel	81272, 81314, G0452	MOL8004	RTG	HFHMO4	5-10	Tissue
Gestational Disease Profile	81265, G0452	MOL80593	RTG	HFHMO72	5-7	Tissue
Glioma Solid Tumor Sequencing Panel	81445, G0452	MOL8026	RTG	HFHMO76	5-10	Tissue
HFCI Lung Cancer Molecular Workup	81445, G0452	O350699	RTG	MOL8027	5-10	Tissue
Lung Cancer Solid Tumor Gene Sequencing Panel	81445, 88377x2, G0452	MOL8001	RTG	HFHMO1	5-10	Tissue
Melanoma Solid Tumor Gene Sequencing Panel	81445, G0452	MOL8003	RTG	HFHMO3	5-10	Tissue
MGMT Methylation	81287, G0452	MOL8013	RTG	HFHMO13	5-7	Tissue
Microsatellite Instability (MSI) w/IHC, Tissue	MSI: 81301, G0452 IHC: 88341x3, 88342 Reflex to MLH1: 81288	MOL80573	RTG	HFHMO70	5-7	Tissue
MLH1 Methylation (use only if needed to accompany previous MSI testing)	81288, G0452	MOL80583	RTG	HFHMO71	5-7	Tissue
PD-L1 Expression by ImmunoHistoChemistry (IHC): Clone 22C3	88360, G0452	MOL800902	RTG	HFHMO902	3-5	Tissue
PD-L1 Expression by ImmunoHistoChemistry (IHC): Clone 28-8	88360, G0452	MOL800901	RTG	HFHMO901	3-5	Tissue
PD-L1 Expression by ImmunoHistoChemistry (IHC): Other	88360, G0452	MOL8009	RTG	HFHMO9	Varies	Tissue
Solid Tumor BRAF Gene Mutation	81210, G0452	MOL8017	RTG	HFHMO17	5-10	Tissue
Solid Tumor EGFR-TKI (Lung) Gene Mutation	81235, G0452	MOL8022	RTG	HFHMO22	5-7	Tissue
Solid Tumor Gene Sequencing Custom Panel: 5-50 genes	81445, G0452	MOL8015	RTG	HFHMO15	Varies based on genes selected	Tissue
Solid Tumor Individual Gene Sequencing: 1-4 genes	Varies based on genes selected. Please call 313-916-4DNA	MOL8016	RTG	HFHMO16	Varies based on genes selected	Tissue
Solid Tumor KRAS Gene Mutation	81275, 81276, G0452	MOL8018	RTG	HFHMO18	5-10	Tissue
Solid Tumor Mutation IDH1	81120, G0452	MOL8011	RTG	HFHMO11	5-10	Tissue
Solid Tumor Mutation IDH2	81121, G0452	MOL8012	RTG	HFHMO12	5-10	Tissue
Solid Tumor NRAS Gene Mutation	81311, G0452	MOL8019	RTG	HFHMO19	5-10	Tissue
Solid Tumor KIT Gene Mutation	81272, G0452	MOL8020	RTG	HFHMO20	5-10	Tissue
Solid Tumor MET Gene Mutation	81479, G0452	MOL8023	RTG	HFHMO23	5-10	Tissue
Solid Tumor PDGFRA Gene Mutation	81314, G0452	MOL8021	RTG	HFHMO21	5-10	Tissue

MISCELLANEOUS TESTING					See Lab User's Guide for collection instructions	
Test	**CPT**	**EPIC Test Code**	**SQ Translation**	**Atlas Code**	**TAT days**	**Specimen Type**
Molecular Pathology and Genomic Test, not specified (BLOOD)	Varies based on testing requested. Please call 313-916-4DNA	MOL1370401	RTG	HFHMO78	Varies based on testing selected	PB
Molecular Pathology and Genomic Test, not specified (NON-BLOOD)	Varies based on testing requested. Please call 313-916-4DNA	MOL1370402	RTG	HFHMO79	Varies based on testing selected	Non-Blood
Tissue Identity (non-paternity), Blood	81265, 88381 may apply, G0452	MOL80601	RTG	HFHMO74	5-7	PB
Tissue Identity (non-paternity), Tissue	81265, 88381 may apply, G0452	MOL80603	RTG	HFHMO73	5-7	Tissue