

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
BRCA1 and BRCA2 Sequencing and Full Deletions/ Duplications	81162, G0452	DNA210008	RTG	HFHDNA20	5-10	PB
Customized Hereditary Cancer Testing (94 genes)	81455	DNA2100026	RTG	HFHDNA36	5-10	PB
Cystic Fibrosis	81220, 81224 (poly T allele, reflex), G0452	DNA2100003	RTG	HFHDNA03	5-7	PB
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 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	5-10	PB
Hereditary Breast/Ovarian Cancer-Related Gene Sequence Analysis with deletion/duplication (20 genes)	81432, 81433, G0452	DNA210009	RTG	HFHDNA21	5-10	PB
Hereditary Colorectal/HNPCC Cancer Risk Panel (21 genes)	81435, 81436, G0452	DNA210006	RTG	HFHDNA22	5-10	PB
Hereditary Endometrial Cancer Risk Panel (17 genes)	81432, 81433, G0452	DNA210004	RTG	HFHDNA24	5-10	PB
Hereditary Hemochromatosis (HFE)	81256, G0452	DNA2100007	RTG	HFHDNA07	5-7	PB
Hereditary Melanoma Risk Panel (10 genes)	81404, G0452	DNA210002	RTG	HFHDNA26	5-10	PB
Hereditary Multi-Cancer Risk Assessment Panel (50 genes)	81432, 81433, 81435, 81436, 81437, 81438, G0452	DNA2100026	RTG	HFHDNA37	5-10	PB
Hereditary Neuroendocrine Tumor Disorders Risk Panel (15 genes)	81437, 81438, G0452	DNA210000	RTG	HFHDNA28	5-10	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	5-10	PB
Methylenetetrahydrofolate reductase (MTHFR) -not tested by HFH CPD	81291 Z-code: ZB0WQ	LAB1969	RTG	WMTHFA	5-7	PB
PGx- Cytochrome P450 2C9 (CYP2C9)	81227, G0452	DNA2100038	RTG	HFHDNA38	5-7	PB
PGx- Cytochrome P450 2C19 (CYP2C19)	81225, G0452	DNA2100024	RTG	HFHDNA35	5-7	PB
Prothrombin 20210 G -->A	81240, G0452	DNA2100016	RTG	HFHDNA16	5-7	PB
Spinal Muscular Atrophy (SMA) Screening	81329, G0452	DNA2100030	RTG	HFHDNA30	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		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		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		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
1p19q Loss of Heterozygosity (LOH) - Tissue	81402, G0452	MOL8014	RTG	HFHMO14	5-7	Tissue
1p19q Loss of Heterozygosity (LOH) - Blood	81402, G0452 (not billed additionally when run with tissue sample)	MOL8014B	RTG	HFHMO14B	5-7	Peripheral Blood
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 Panel: 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 Gene Fusion Panel	81445, G0452 (88363 or 88381 may apply)	MOL8007	RTG	HFHMO7	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