



MOLECULAR GENETIC DNA/RNA TESTING OPTIONS

Required Patient Information

Name: Gender: M F
MRN: DOB: MM / DD / YY

Ordering Physician Information

Name:
Address:

Insurance Authorization #:

ICD-10 Codes are required for billing. When ordering tests for which reimbursement will be sought, order only those tests that are medically necessary for the diagnosis and treatment of the patient.

City: State: Zip:
Phone: Fax:

ICD10 Code(s): / /

Specimen Collection Date:
Clinical Diagnosis:

REQUIRED INFORMATION FOR CYSTIC FIBROSIS AND FAMILIAL MEDITERRANEAN FEVER TESTING: Carrier Screen Diagnostic
ETHNICITY: African American Arab American Ashkenazi Jewish Caucasian Hispanic Asian Other:

This request to order tests from HFPCD certifies to HFPCD that (1) the ordering physician has obtained written informed consent from the patient as required by applicable state or federal laws for each test ordered and (2) the ordering physician has authorization from the patient permitting HFPCD to report results for each test ordered to the ordering physician.

The tests below may include microdissection and/or reflex testing at a separate charge (88381 or 88363). Most tests include pathologist interpretation at a separate charge (G0452).

Specimen Submission Requirements:

- Peripheral blood in lavender top tube (EDTA) - Specimen stability: Ambient - 72 hours; Refrigerated - 1 week
\*For RNA tests, transport refrigerated blood (EDTA) within 72 hours of collection. If transport >72 hours - use PAXGene tube(call us: 313.916.4DNA) - DO NOT FREEZE
Minimum Volume Requirements: 3 mL
FFPE Tissue - Outside institutions, copy of Pathology report, plus 1 H&E stained slide and 5-10 unstained slides
DNA (>20 ug): Tissue source: Transport FROZEN
Bone Marrow Aspirate (EDTA preferred, heparin tube acceptable) Transport refrigerated - DO NOT FREEZE

Hereditary Disorders Testing (Germline Blood Tests)

- Factor V (Leiden) (CPT 81241)
Prothrombin 20210 G ->A (CPT 81240)
Methylenetetrahydrofolate reductase (MTHFR) (CPT 81291)
Cystic Fibrosis Screening Panel (CPT 81220, 81224 [Poly T])
Fragile X Syndrome (CPT 81243)
Hereditary Hemochromatosis (HFE) (CPT 81256)
Familial Mediterranean Fever (81402)

Hematologic Disorders Testing (Molecular Specimen Exam)

- RNA Tests [RT-PCR]
CML - BCR/ ABL1 t(9:22), p210 (CPT 81206)\*
ALL - BCR/ ABL1 t(9:22), p190 (CPT 81207)\*
APL - PML/ RARA t(15:17) (CPT 81315)\*
AML - CBFB/ MYH11 inv(16) (CPT 81401)\*
DNA Single Gene Tests
T Cell Rearrangement (CPT 81340 Beta, 81342 Gamma)
B Cell Gene Rearrangement (CPT 81261)
CALR Mutation (CPT 81219)
FLT3 Mutation (CPT 81245 [81246])
JAK-2 Mutation (CPT 81270)
NPM1 Mutation (CPT 81310)

Hematolymphoid Next Generation Multi-Gene Sequencing Panel (Molecular Specimen Exam)

- Hematolymphoid Neoplasm or Disorder Sequencing Panel (51 genes): ABL, ASXL1, ATRX, BCOR, BCORL1, BRAF, CALR, CBL, CBLB, CBLCL, CEBPA, CSF3R, CUX1, DNMT3A, ETV6/TEL, EZH2, FBXW7, FLT3, GATA2, GNAS, HRAS, IDH1, IDH2, IKZF1, JAK2, KDM6A, KIT, KRAS, MLL, MPL, MYD88, NOTCH1, NPM1, NRAS, PDGFRA, PHF6, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF3B1, SMC1A, SMC3, SRSF2, STAG2, TET2, TP53, USAF1, WT1, ZRSR2
DeNovo AML: NPM1, FLT3, CEBPA, KIT, RUNX1, TP53 (CPT 81450)
Myeloproliferative Panel: JAK2 (12+14) CALR, MPL (CPT 81270, 81219, 81403)

Solid Tumor / Single Gene Testing (Molecular Specimen Exam)

- Microsatellite Instability +IHC (CPT 81301+)
reflex: MLH1 Methylation (CPT 81401)
EGFRvIII - brain (CPT 81403)
MGMT Methylation (CPT 81287)
EGFR-TKI - reflex to ALK (CPT 81235)
1p19q LOH (CPT 81405)
BRAF (CPT 81210)
IDH1 (CPT 81403)
IDH2 (CPT 81403)
KRAS (CPT 81276)
NRAS (CPT 81311)
PDGFRA (CPT 81314)
KIT (CPT 81272)
Gestational Disease Profile (CPT 81265)
Tissue Identity (non-paternity) (CPT 81265)

Solid Tumor Next Generation Multi-Gene Sequencing Panels (Molecular Specimen Exam)

- Colorectal Cancer Panel: BRAF, KRAS, NRAS (CPT 81210, 81276, 81311)
Lung Cancer Panel: EGFR, KRAS, NRAS, BRAF, MET, ERBB2 reflex to ALK (FISH)
Solid Tumor Sequencing Panel (48 genes): ABL1, AKT1, ALK, APC, ATM, BRAF, CDH1, CDKN2A, CSF1R, CTNNA1, EGFR, ERBB2, ERBB4, FBXW7, FGFR1, FGFR2, FGFR3, FLT3, GNA11, GNAQ, GNAS, HNF1A, HRAS, IDH1, JAK2, JAK3, KDR, KIT, KRAS, MET, MLH1, MPL, NOTCH1, NPM1, NRAS, PDGFRA, PIK3CA, PTEN, PTPN11, RB1, RET, SMAD4, SMARCB1, SMO, SRC, STK11, TP53, VHL
Melanoma Panel: BRAF, NRAS, KIT, PDGFRA, GNA11, GNAQ (CPT 81445)
Gastrointestinal Stromal Tumor Panel: KIT, PDGFRA (CPT 81272, 81314)

Other Molecular DNA/RNA Tests: