



Pathology and Laboratory Medicine
Clinic Building, K6, Core Lab, E-655
2799 W. Grand Blvd.
Detroit, MI 48202
855.916.4DNA (4362)

CENTER FOR
PRECISION DIAGNOSTICS

MOLECULAR SOLID TUMOR REQUISITION

Required Patient Information

Name: _____ Gender: M F

MRN: _____ DOB: MM / DD / YYYY

ICD10 Code(s): _____ / _____ / _____

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.

Ordering Physician Information

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

NPI: _____

Billing & Collection Information

Patient Demographic/Billing/Insurance Form is required to be submitted with this form. Most genetic testing requires insurance prior authorization. Due to high insurance deductibles and member policy benefits, patients may elect to self-pay. Call for more information (855.916.4362)

Bill Client or Institution Client Name: _____ Client Code/Number: _____

Bill Insurance Prior authorization or reference number: _____

Patient Self-Pay Call for pricing and payment options Toll Free: 855.916.4362

Patient status at time of collection: Inpatient Outpatient Collection date: _____ Collection time: _____

Providers are responsible to obtain informed consent, as required by Michigan law, for predictive or pre-symptomatic genetic tests. Informed Consent for Genetic Testing form is available on our website.

Specimen/Source

DNA (>20 ug): Tissue source (Transport FROZEN): _____ FFPE Tissue – Outside institutions-: Send copy of Pathology report, 1 H&E stained slide and 5-10 unstained slides
--EXTRACTED DNA ONLY ACCEPTED FROM CLIA CERTIFIED LABORATORIES Pathology Case Number: _____

Solid Tumor Testing

All tests include pathologist interpretation at a separate, additional charge.

Brain

- EGFRvIII (81403)
- Glioma 14 Gene Panel (81445)
BRAF, CDKN2A, EGFR, H3F3A, HRAS, IDH1, IDH2, KRAS, MET, NRAS, PIK3CA, PTEN, TERT, TP53
- IDH1 (81120)
- IDH2 (81121)
- MGMT Methylation (81287)
- 1p19q LOH (81402)

Breast

- Breast Cancer 3 Gene Panel (81162, 81309)
BRCA1, BRCA2, PIK3CA
- Her-2 IHC (88360, 88377)
- Her-2 neu Gene Amplification Assay (FISH) (88360, 88377)

Colorectal and Endometrial

- Colorectal Cancer 3 Gene Panel (81210, 81275, 81276, 81311) *BRAF, KRAS, NRAS*
- BRAF (81210)
- KRAS (81275, 81276)
- NRAS (81311)
- Microsatellite Instability +IHC (81301, 88341x3, 88342)
 reflex: MLH1 Methylation (81288)

Comprehensive Gene Testing

- Comprehensive Solid Tumor 170 Gene Panel (81455) *Complete gene list on reverse side*
- Custom 1-4 Gene Panel (CPT varies based on genes chosen) Select individual genes on the right
- Custom 5-50 Gene Panel (81445) Select individual genes on the right

Fusion Panels (see website for gene list)

- Fusion Sarcoma Panel: 26 genes (81445)
- Fusion Solid Tumor Panel: 51+ genes (81455)

Gastrointestinal

- Gastrointestinal Stromal Tumor 2 Gene Panel
 KIT (81272)
 PDGFRA (81314)

Lung

- Lung Cancer 6 Gene Panel (81445)
BRAF, ERBB2, EGFR, KRAS, MET, NRAS
 reflex: *ALK, ROS1* (FISH) (add 88377x2)
- Lung Fusion Panel (81445)
ALK, ROS1, RET, MET, NTRK1, NTRK2, NTRK3
- IHC for PD-L1 22C3 (88360)
- IHC for PD-L1 28-8 (88360)

Lymphoma

- T Cell Rearrangement- Gamma (81342)
- T Cell Rearrangement- Beta (81340)
- B Cell Rearrangement (81261)

Melanoma

- Melanoma 6 Gene Panel (81445)
BRAF, NRAS, KIT, PDGFRA, GNA11, GNAQ
- KIT (81272)

Other Tissue Testing

- Gestational Disease Profile (81265)
- Tissue Identity (non-paternity) (81265)

Individual and Custom Gene Panel Testing (NGS)

- | | | | |
|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> AKT1 | <input type="checkbox"/> ALK | <input type="checkbox"/> ARID1A | <input type="checkbox"/> BRAF |
| <input type="checkbox"/> BRCA1 | <input type="checkbox"/> BRCA2 | <input type="checkbox"/> CDK4 | <input type="checkbox"/> CDKN2A |
| <input type="checkbox"/> CTNNB1 | <input type="checkbox"/> DDR2 | <input type="checkbox"/> DICER1 | <input type="checkbox"/> EGFR |
| <input type="checkbox"/> ERBB2 | <input type="checkbox"/> ERBB4 | <input type="checkbox"/> ESR1 | <input type="checkbox"/> FBXW7 |
| <input type="checkbox"/> FGFR1 | <input type="checkbox"/> FGFR2 | <input type="checkbox"/> FGFR3 | <input type="checkbox"/> FOXL2 |
| <input type="checkbox"/> GNA11 | <input type="checkbox"/> GNAQ | <input type="checkbox"/> GNAS | <input type="checkbox"/> H3F3A |
| <input type="checkbox"/> H3F3B | <input type="checkbox"/> HIST1H3B | <input type="checkbox"/> HRAS | <input type="checkbox"/> IDH1 |
| <input type="checkbox"/> IDH2 | <input type="checkbox"/> KIT | <input type="checkbox"/> KMT2A | <input type="checkbox"/> KMT2D |
| <input type="checkbox"/> KRAS | <input type="checkbox"/> MAP2K1 | <input type="checkbox"/> MAP2K2 | <input type="checkbox"/> MET |
| <input type="checkbox"/> MTOR | <input type="checkbox"/> MYOD1 | <input type="checkbox"/> NRAS | <input type="checkbox"/> PDGFRA |
| <input type="checkbox"/> PIK3CA | <input type="checkbox"/> POLE | <input type="checkbox"/> PTEN | <input type="checkbox"/> PTPN11 |
| <input type="checkbox"/> RAC1 | <input type="checkbox"/> RAF1 | <input type="checkbox"/> RET | <input type="checkbox"/> ROS1 |
| <input type="checkbox"/> SF3B1 | <input type="checkbox"/> SMAD4 | <input type="checkbox"/> TERT | <input type="checkbox"/> TGFBR2 |
| <input type="checkbox"/> TP53 | | | |

Other Testing

Send Additional Reports to:

Name: _____
Phone #: _____ Fax #: _____



Comprehensive Solid Tumor 170 Gene Panel

TARGET GENES:

Fusions:

ABL1, AKT3, ALK, AR, AXL, BCL2, BRAF, BRCA1, BRCA2, CDK4, CSF1R, EGFR, EML4, ERBB2, ERG, ESR1, ETS1, ETV1, ETV4, ETV5, EWSR1, FGFR1, FGFR2, FGFR3, FGFR4, FLI1, FLT1, FLT3, JAK2, KDR, KIF5B, KIT, KMT2A (MLL), MET, MLLT3, MSH2, MYC, NOTCH1, NOTCH2, NOTCH3, NRG1, NTRK1, NTRK2, NTRK3, PAX3, PAX7, PDGFRA, PDGFRB, PIK3CA, PPARG, RAF1, RET, ROS1, RPS6KB1, TMPRSS2

SNVs / Indels:

AKT1, AKT2, AKT3, ALK, APC, AR, ARID1A, ATM, ATR, BAP1, BARD1, BCL2, BCL6, BRAF, BRCA1, BRCA2, BRIP1, BTK, CARD11, CCND1, CCND2, CCNE1, CD79A, CD79B, CDH1, CDK12, CDK4, CDK6, CDKN2A, CEBPA, CHEK1, CHEK2, CREBBP, CSF1R, CTNNB1, DDR2, DNMT3A, EGFR, EP300, ERBB2, ERBB3, ERBB4, ERCC1, ERCC2, ERG, ESR1, EZH2, ABRAXAS1 (FAM175A), FANCI, FANCL, FBXW7, FGF1, FGF10, FGF14, FGF2, FGF23, FGF3, FGF4, FGF5, FGF6, FGF7, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGFR4, FLT1, FLT3, FOXL2, GEN1, GNA11, GNAQ, GNAS, HNF1A, HRAS, IDH1, IDH2, INPP4B, JAK2, JAK3, KDR, KIT, KMT2A (MLL), KRAS, MAP2K1, MAP2K2, MCL1, MDM2, MDM4, MET, MLH1, MLLT3, MPL, MRE11 (MRE11A), MSH2, MSH3, MSH6, MTOR, MUTYH, MYC, MYCL (MYCL1), MYCN, MYD88, NBN, NF1, NOTCH1, NOTCH2, NOTCH3, NPM1, NRAS, NRG1, PALB2, PDGFRA, PDGFRB, PIK3CA, PIK3CB, PIK3CD, PIK3CG, PIK3R1, PMS2, PPP2R2A, PTCH1, PTEN, PTPN11, RAD51, RAD51B, RAD51C, RAD51D, RAD54L, RB1, RET, RICTOR, ROS1, RPS6KB1, SLX4, SMAD4, SMARCB1, SMO, SRC, STK11, TERT, TET2, TP53, TSC1, TSC2, VHL, XRCC2

Amplifications / CNVs:

AKT2, ALK, AR, ATM, BRAF, BRCA1, BRCA2, CCND1, CCND3, CCNE1, CDK4, CDK6, CHEK1, CHEK2, EGFR, ERBB2, ERBB3, ERCC1, ERCC2, ESR1, FGF1, FGF10, FGF14, FGF19, FGF2, FGF23, FGF3, FGF4, FGF5, FGF6, FGF7, FGF8, FGF9, FGFR1, FGFR2, FGFR3, FGFR4, JAK2, KIT, KRAS, LAMP1, MDM2, MDM4, MET, MYC, MYCL1, MYCN, NRAS, NRG1, PDGFRA, PDGFRB, PIK3CA, PIK3CB, PTEN, RAF1, RET, RICTOR, RPS6KB1, TFRC