Molecular Pathology Request

Specimen Type (FNA, fluid, resection, etc.) ______________________________________
Organ Site:__________________________

Corresponding Pathology # (NG-, FN-, or S-, etc.) __________________________________
Designated Block______________________

Specify test(s) requested:

**Multi-gene Mutation Assay with Next Generation Sequencing (NGS) Panels:**

*(Performed at IUHPL. Larger Resection Specimens Required)*

- **Lung Cancer Panel by NGS** (AKT1, ALK, BRAF, EGFR, KRAS, NRAS, PIK3CA, PTEN)
- **Colon Cancer Panel by NGS** (APC, AKT1, BRAF, KRAS, NRAS, PIK3CA, PTEN, SMAD4)
- **GIST Panel by NGS** (BRAF, KIT, PDGFRA)
- **Melanoma Panel by NGS** (BRAF, CTNNB1, GNA11, GNAQ, KIT, NRAS)
- **Ovarian Cancer Panel by NGS** (BRAF, KRAS, PIK3CA, PTEN)
- **Thyroid Cancer Panel by NGS** (KIT, BRAF, RET, HRAS, KRAS, NRAS)
- **Breast Cancer Panel by NGS** (AKT1, ERBB2, PIK3CA, FGFR1, FGFR2, PTEN)
- **Myeloproliferative Neoplasm Panel by NGS** (JAK2, JAK3, KIT, MPL, ABL1)
- **CLL Panel by NGS** (NOTCH1, TP53)
- **AML Panel by NGS** (FLT3, IDH1, KIT, NPM1, TP53)
- **General Oncology Panel by NGS** (ABL1, AKT1, ALK, APC, ATM, BRAF, CDH1, CDKN2A, CSF1R, CTNNB1, 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)

**Individual Gene Mutation Assays:**

- KRAS gene mutation (performed at IUHPL)
- BRAF Mutation (performed at IUHPL)
- BRAF for Lynch Syndrome (performed at IUHPL)
- EGFR gene mutation (performed at IUHPL)
- ALK FISH (performed at VA Molecular Pathology site)
- ROS1 FISH (performed at VA Molecular Pathology site)
- 1p19q FISH (performed at VA Molecular Pathology site)
- Lung Molecular Panel (ALK FISH, EGFR, KRAS, ROS1 FISH)

Anatomic Pathology Outreach Phone Numbers (if unsure of correct fax #, fax requests to surgical pathology):

<table>
<thead>
<tr>
<th>Department</th>
<th>Phone Number</th>
<th>Fax Number</th>
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<tbody>
<tr>
<td>Cytology</td>
<td>(317) 491-6335 (p)</td>
<td>(317) 491-6334</td>
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<tr>
<td>Dermatopathology</td>
<td>(317) 491-6422 (p)</td>
<td>(317) 491-6424</td>
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<tr>
<td>Surgical Pathology</td>
<td>(317) 491-6315 (p)</td>
<td>(317) 491-6419</td>
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<tr>
<td>Surgical Pathology Main Line</td>
<td>(317) 491-6417 (p)</td>
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