**Pathology Specialty Services**

**DIAGNOSTIC MOLECULAR PATHOLOGY LABORATORY**

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**B-Cell Clonality Analysis by Multiplex (PCR)**

Detection of antigen gene rearrangement by PCR.

**Specimen Requirement(s):**
- Paraffin Block, Fresh or Frozen Tissue, Blood, Body Fluid
- Yellow, Lavender Top Tube
- Paraffin Block Room Temperature, Fresh or Frozen Tissue on Ice

**TAT:** 7 Days

**CPT Code(s):**
- 83891, 83900, 83901 (X3), 83907, 83909 (X2), 83912

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**B-Cell & T-Cell Clonality Analysis by Multiplex (PCR)**

Detection of antigen gene rearrangement by PCR.

**Specimen Requirement(s):**
- Paraffin Block, Fresh or Frozen Tissue, Blood, Body Fluid
- Yellow, Lavender Top Tube
- Paraffin Block Room Temperature, Fresh or Frozen Tissue on Ice

**TAT:** 7 Days

**CPT Code(s):**
- 83891, 83900, 83901 (X5), 83907, 83909 (X3), 83912

**Unit Code:** 895000

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**BCL2/JH t(14:18) Translocation Determination by PCR**

Isolation or extraction of highly purified nucleic acid. Multiplex and nested amplification of patient nucleic acid. Capillary electrophoresis separation with 4-color fluorescent product detection, including interpretation and report.

**Specimen Requirement(s):**
- Paraffin Block, Fresh or Frozen Tissue, Blood, Body Fluid
- Yellow, Lavender Top Tube
- Paraffin Block Room Temperature, Fresh or Frozen Tissue on Ice

**TAT:** 7-10 days

**CPT Code(s):**
- 83891, 83898 (X3), 83900, 83907, 83909 (X3), 83912

**Unit Code:** 895070

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For more information about the Diagnostic Molecular Pathology Laboratory, please contact:
Phone: (305) 243-6100
Fax: (305) 243-4553
Email: diagmolpath@med.miami.edu
### bcr/abl Translocation Detection by PCR (p190 for ALL)

Isolation or extraction of highly purified nucleic acid with reverse transcription. Amplification of patient nucleic acid with separation of gel electrophoresis, including interpretation and report.

**Specimen Requirement(s):**
- 1.0 ml Bone Marrow or 5.0 ml Whole Blood

**Collection Tube:** Yellow, Lavender Top Tube

**Handling:** Refrigerate

**TAT:** 4 - 7 Days

**CPT Code(s):** 83891, 83894 (X2), 83898 (X2), 83900, 83902, 83907, 83912

**Unit Code:** 897020

### bcr/abl Translocation Detection by PCR (p210 for CML)

Isolation or extraction of highly purified nucleic acid with reverse transcription. Amplification of patient nucleic acid with separation of gel electrophoresis, including interpretation and report.

**Specimen Requirement(s):**
- 1.0 ml Bone Marrow or 5.0 ml Whole Blood

**Collection Tube:** Yellow, Lavender Top Tube

**Handling:** Refrigerate

**TAT:** 4 - 7 Days

**CPT Code(s):** 83891, 83894 (X2), 83898 (X2), 83900, 83902, 83907, 83912

**Unit Code:** 897030

### Chromosome 1p:19q Heterozygosity Determination by PCR

Isolation or extraction of highly purified nucleic acid from 2 sources. Multiplex amplification of patient normal and tumor nucleic acid. Capillary electrophoresis separation with 4-color fluorescent product detection for genotype determination, including interpretation and report.

**Specimen Requirement(s):** Paraffin Block and Blood

**Collection Tube:** Yellow, Lavender Top Tube

**Handling:** Refrigerate

**TAT:** 7-10 Days

**CPT Code(s):** 83891 (X2), 83900, 83901 (X3), 83907 (X2), 83909 (X4), 83912

**Unit Code:** 898000

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### EBV DNA Measurement by PCR

Detection of EBV Viral DNA in paraffin embedded or fresh tissue biopsies.

Methodology: Polymerase Chain Reaction

<table>
<thead>
<tr>
<th>Specimen Requirement(s)</th>
<th>Collection Tube</th>
<th>Handling</th>
<th>TAT</th>
<th>CPT Code(s)</th>
<th>Unit Code</th>
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<tbody>
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<td>87798, 83912</td>
<td>892080</td>
<td></td>
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</table>

### HLA-B27 Genotyping PCR

Include race and diagnosis of patient on request form.

Methodology: Polymerase Chain Reaction

<table>
<thead>
<tr>
<th>Specimen Requirement(s)</th>
<th>Collection Tube</th>
<th>Handling</th>
<th>TAT</th>
<th>CPT Code(s)</th>
<th>Unit Code</th>
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</thead>
<tbody>
<tr>
<td>1.0 ml Whole Blood</td>
<td>Yellow, Lavender Top Tube</td>
<td>Refrigerate</td>
<td>4 - 7 Days</td>
<td>83891, 83894, 83900, 83912</td>
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</table>

### Kappa Chain Clonality Analysis by Multiplex (PCR)

REFLEX CONFIRMATORY TEST FOR POSITIVE B&T PCR COMBINATION

Detection of Kappa light chain gene rearrangement by PCR.

Methodology: Polymerase Chain Reaction

<table>
<thead>
<tr>
<th>Specimen Requirement(s)</th>
<th>Collection Tube</th>
<th>Handling</th>
<th>TAT</th>
<th>CPT Code(s)</th>
<th>Unit Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin Block, Fresh or Frozen Tissue, Blood, Body Fluid</td>
<td>Paraffin Block Room Temperature, Fresh or Frozen Tissue on Ice</td>
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</table>
T-Cell Clonality Analysis by Multiplex (PCR)

Detection of antigen gene rearrangement by PCR.

**Specimen Requirement(s):**
- Paraffin Block, Fresh or Frozen Tissue, Blood, Body Fluid
- Yellow, Lavender Top Tube
- Paraffin Block Room Temperature, Fresh or Frozen Tissue on Ice

**TAT:** 7 Days

**CPT Code(s):**
- 83891, 83900, 83901 (X2), 83907, 83909 (X2), 83912

**Unit Code:** 895010