**MOLECULAR GENETICS**

<table>
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<tr>
<th><strong>INDICATION</strong></th>
<th><strong>RESULT</strong></th>
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<tbody>
<tr>
<td>Colon Hotspot NGS Panel*</td>
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<tr>
<td>Lung Hotspot NGS Panel*</td>
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<td>Melanoma Hotspot NGS Panel*</td>
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<td>Solid Tumor Hotspot NGS Panel*</td>
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<tr>
<td>Glycogen Storage Disease NGS Panel*</td>
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*For more information, visit www.dukemolecular.org

**GENETIC DIAGNOSIS**

- DNA Extraction and Storage
- TMPRSS6 Sequencing (IRIDA)
- TP53 Sequencing (Li-Fraumeni)
- TGFBI Sequencing (Corneal dystrophy)
- MYH9 Sequencing
- MOCS1 Sequencing (Molybdenum cofactor deficiency)
- MOCS2 Sequencing (Molybdenum cofactor deficiency)
- SUOX Sequencing (Sulfite oxidase deficiency)
- G6PC Sequencing (GSD la)
- SLC37A4 Sequencing (GSD lb)
- GAA Sequencing (Pompe/GSD II)
- AGL Sequencing (GSD III)
- GBE1 Sequencing (GSD IV)
- PHKA2 Sequencing (GSD Ixa/XLG)
- PHKG2 Sequencing (GSD Ixc)
- GLA Sequencing (Fabry)
- ACE Polymorphism Analysis

Please note that informed consent is required for all genetic testing (to be obtained by the ordering physician).