Pediatric Biobank & Analytical Tissue Core

Location: CHW Children’s Research Institute, 4th floor

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Overview

The CRI Pediatric BioBank & Analytical Tissue Core, a research-supportive facility, directed by the Division of Pediatric Pathology with major support from the MACC Fund, is housed on the 4th floor of the TBRC/CRI building and provides quality-controlled banking of human pediatric tissue, blood, and urine samples for use by investigators at MCW and its affiliated institutions.

Additionally, the core offers tissue analytical services, such as nucleic acid extraction (in collaboration with the CRI Nucleic Acid Extraction Core) from solid tissues (fresh, frozen, or formalin-fixed-paraffin-embedded) as well as from fresh or frozen blood, high-resolution digital microscope slide scanning, laser scanning cytometry, and image analysis for quantification of parameters in brightfield and fluorescent images.

<table>
<thead>
<tr>
<th>Equipment/Software</th>
<th>Accessibility</th>
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<tbody>
<tr>
<td>Hamamatsu NanoZoomer slide scanner</td>
<td>Facility technicians use on behalf of investigators</td>
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<tr>
<td>Laser scanning cytometer</td>
<td>Facility technicians use on behalf of investigators</td>
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<tr>
<td>Visiopharm image analysis software</td>
<td>Use is available only after training</td>
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<tr>
<td>Promega Maxwell DNA extraction system</td>
<td>Facility technicians use on behalf of investigators</td>
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</table>

Hours: Monday - Friday 9:00 am-4:00 pm

Common users of the facility: cancer and developmental biology researchers

Rate: fee for service - please contact us