NOTICE OF CHANGE OF SERVICE

Date: April 2, 2007

To: Housestaff and PCN Physicians, Faculty, and Nursing Personnel

From: Kim Janatpour, MD
Assistant Professor
Director of Immunology and Special Coagulation

RE: Flow Cytometry: Lymphoma and Leukemia Panels

Effective April 2, 2007, the flow cytometry laboratory, located at the STC, will be changing from a three-color to a five-color method. Additional markers will be routinely included in the Flow Cytometry Lymphoma and Leukemia Panels performed on bone marrow, tissue samples, fine needle aspirates, and peripheral blood without the need for additional sample. New markers include: CD71, CD64, CD117, CD138, CD11b, and CD41, with more to follow. There will be a transition period of approximately 30 days in which flow may be done by either the three-color or five-color method.

SPECIMEN REQUIREMENTS:

There is no change in specimen requirements. All samples must be appropriately labeled. Include a suggested or “rule/out” diagnosis with the requests. Include an ICD-9 code where applicable. Transport all samples at room temperature. Deliver to the laboratory as soon as possible after collection.

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone Marrow Aspirate</td>
<td>0.5 – 2.0 mL of bone marrow aspirate. Collect in a heparinized syringe or immediately add to a tube containing sodium heparin. Mix well.</td>
</tr>
<tr>
<td>Tissue</td>
<td>Collect tissue aseptically. Mince into small pieces. Transport in a balanced salts solution or tissue culture media such as RPMI</td>
</tr>
<tr>
<td>Bone Marrow Biopsy</td>
<td>Treat as a tissue</td>
</tr>
<tr>
<td>Fine Needle Aspirate</td>
<td>Treat as a tissue</td>
</tr>
</tbody>
</table>
| Fluids                    | CSF and other body fluids. 
(Note: Add anticoagulant to pleural, ascites, pericardial, and other bloody body fluids) Send as much fluid as possible. A minimum of $1 \times 10^6$ cells is required for a single tube containing up to 5 monoclonal antibodies. |
| Peripheral Blood          | 5 – 10 mL of blood collected in sodium heparin                           |

TESTING SCHEDULE:

The flow cytometry laboratory is staffed 365 days a year from 0800 until 1630.

REFERENCE INTERVAL:

Each report is interpreted by a pathologist.

If there are questions or concerns related to this notice, please contact Ranald (Skip) Aitkens, Immunology Supervisor (4-3041) or Kim Janatpour, MD, Immunology Director (4-2651).

APPROVED BY: Ralph Green, M.D., Ph.D.
Professor and Chair
Department of Pathology and Laboratory Medicine