Infectious Disease Pharmacokinetics Laboratory (IDPL) Serum and Plasma Collection, Handling and Shipping

Use the attached **Requisition Form in PDF format** to request samples. Complete one column of information for drug to be assayed. Make as many photocopies as you need.

All specimens sent to the laboratory should conform to all Federal and IATA shipping regulations.

Thank you for choosing University of Florida.

Sample:
Two milliliters of serum (collect 5 ml of blood) are required per test.

- The patient should come to clinic with his/her medications.
- No medication should have been taken since the previously scheduled doses (12 to 24 hours prior)
- Observe the taking of the medications, and record the exact time (and date).
- Please refer to the requisition for the recommended times for blood draw for each drug. Using a red top vacuum tube, collect the blood at the appropriate time(s).
  - For many drugs, a 2-hour peak sample will be collected. You can consider a second blood draw 6 hours post dose to rule out late absorption, or to determine the serum half-life for certain drugs that have short half-lives, such Isoniazid and Rifampin.
  - For most HIV drugs, the preferred time of draw is a pre-dose trough.
For streptomycin, please tell us if the patient is also receiving Ampicillin.

Capreomycin is now measured by HPLC, and no longer requires bioassay restrictions.

- After the blood clots, centrifuge the samples, harvest the serum into labeled polypropylene (or polyethylene) tubes, and freeze (-70°C is preferable, if available). Use a different tube for each test and time of collection.
- Label the tubes with the patient's name, date and time of collection, and the drug(s) to be assayed.
- Place the samples in a zip-lock plastic bag, and pack upright in a Styrofoam box (about 10 cubic inches in size) with 3 pounds of dry ice.
- In order for the test to be performed the billing portion of the requisition must be completed. Place the requisition and billing page in a plastic bag and tape to the outside of the lid. The foam box is placed inside a cardboard box to prevent damage.
- Ship samples by an overnight delivery service that accepts dry ice packages.

Address the package to:

Infectious Disease Pharmacokinetics Laboratory
Dr. Charles Peloquin, Pharm D.
University of Florida
1600 SW Archer RD., P4-30
Gainesville, FL 32610

If you have questions please call the Infectious Disease Pharmacokinetics Laboratory at (352) 273-6710.
(Please submit a separate requisition for each sample collection time)  Most assays require 4-7 days to complete.

Specimen source (circle one): serum  cerebrospinal fluid  other: ______________________________

**REQUIRED**

<table>
<thead>
<tr>
<th>Drug name to be Assayed</th>
<th>Drug 1</th>
<th>Drug 2</th>
<th>Drug 3</th>
<th>Drug 4</th>
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<tbody>
<tr>
<td>AMPL</td>
<td>EFLV</td>
<td>EFV</td>
<td>LOPV</td>
<td>RIFH</td>
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<tr>
<td>ATAZ</td>
<td>EMBH</td>
<td>ETHV</td>
<td>MXFL</td>
<td>RTFL</td>
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<td>ETAH</td>
<td>ETNA</td>
<td>NLFNL</td>
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<td>CMH</td>
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<td>LNZL</td>
<td>LNZL</td>
<td>RBN</td>
<td>VORL</td>
</tr>
</tbody>
</table>

Sample preparation and shipment: Collect in a plain red top, 8-10 ml tube. Separate serum from cells immediately by centrifugation and aliquot into a labeled polypropylene or similar plastic tube. Use a separate tube for each test ordered. Allow room for expansion of sample inside tube. Freeze at -70ºC if possible (otherwise -20ºC). Ship on a 3 lbs. dry ice via overnight.

SHIPPING INSTRUCTIONS:

- SHIP SAMPLES TO BE RECEIVED MONDAY THROUGH FRIDAY. DO NOT SHIP ON FRIDAY OR SATURDAY.
- List other medications patient is currently taking: ______________________________

For UFL Use Only

- Date Received: __________________
- Time Received: __________________
- Condition: (circle one)
  - Frozen
  - Partially Frozen
  - Thawed

(Revised 10.09)