



January 6, 2010

Department of Medicine  
Division of Medical Genetics

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## **Instructions for providing blood samples for biomarker identification research.**

We are currently developing tests to identify individuals exposed to organophosphorus compounds (e.g. tricresyl phosphate or TCP) that enter the cabin when engine seals leak or fail. We are examining proteins that are found in plasma, the red cell membranes and in some of the white cells to determine if they have been modified by the exposure(s). The instructions outlined below are provided so that we can analyze your blood samples for the presence of proteins that may have been modified by such exposures.

Please fill out with your doctor two copies of the attached consent form.  
Return one copy to us and retain one for your records.

Following an event (2 days to 2 months, optimal is probably 2-4 days) please:

1. Have your blood taken at a suitable laboratory as soon as possible after the event. Our best current guess for maximum time following an event is 5-7 weeks.
2. Complete the attached UW consent form. Please provide the name and address of your doctor.
3. **Six milliliters of blood** should be drawn via venipuncture into one green top **lithium heparin tube (BD# 367899)**. Citrate or pink top EDTA (BD#367889) tubes are also acceptable.
4. Please request that the blood cells be separated from the plasma by centrifugation. Ask that the plasma be **transferred to an identical empty tube** (green top heparin tube) separate from the red cells. Send both the separated plasma and the red cells. If it is not possible to separate the blood cells and plasma, please ship the whole blood sample. Please put the plasma tube in one larger plastic tube suitable for protection during shipment, and the other tube of spun down red cells be placed in a separate identical larger plastic tube for safety during shipment. We need both the plasma and the red cells. Attached is a picture of these blood drawing tubes, with the larger blue tube into which they are sealed for safe transport. Any similar tube combination is fine, just so it ensures no leakage during shipment of the plasma and red cells.
5. The sample should be shipped within 24 hours. Please ship in a **styrofoam insulated shipping container** with a frozen pack of gel ice to cool the sample. Only the "blue gel pack" should be frozen to cool the sample - **do not freeze the sample.**
6. Please ship using an overnight carrier service, such as Fedex.
7. Ship to :

**Rebecca Richter**  
**University of Washington**  
**1959 NE Pacific St.**  
**HSB Rm I-204 A**  
**Seattle, WA 98195-7720**  
**Telephone: 206-543-1193**

Sincerely,

Clement E. Furlong

A handwritten signature in black ink that reads "C. Furlong".

Clement E. Furlong, PhD.  
Research Professor  
Departments of Medicine and Genome Sciences