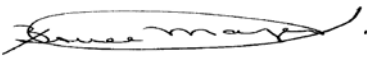


# Document	Field of application	TITLE	Version
PD-001-02	BeLPT	PROCEDURE FOR SAMPLING BeLPT SAMPLE	Version : 2.0
Written by :	Approved by :	Signed by:	Updated on :
Séverine AUDUSSEAU Andrea MOGAS	Dr Bruce MAZER		29/01/2020

Informations and blood sample procedure for the beryllium induced lymphocyte proliferation test (BeLPT)

The Meakins Christie Laboratories has been performing Beryllium Lymphocyte Proliferation Testing (BeLPT), since 2001. We are one of two laboratories in Quebec to specialize in this testing and have a wide range of clients, including government and industry. As a University based laboratory, we are committed to the highest quality control standards and are also actively involved in research on the immune mechanism of Chronic Beryllium Disease. Since 2007, our berylliosis screening laboratories is accredited by the Laboratoire de Santé Publique du Québec.

Please note that we have moved to the new Research Institutes of McGill University Health Center at the following address:

Berylliosis Screening Laboratory
IR CUSM Glen Site - Lab. E03.4134
1001, Decarie Boul.
Montreal, QC H4A 3J1

What is BeLPT ?

The beryllium induced lymphocytes proliferation test or BeLPT is used as screening tool for possible chronic beryllium disease CBD, as a surveillance tool for exposed working place and as part of the diagnostic criteria for the disease. The BeLPT refers to beryllium sensitization status for the tested individual. Then, BeLPT is known to be an essential tool for the clinician in differential diagnosis.

What is the procedure ?

1 – Appointments :

In order to arrange for testing, please contact our Berylliosis Screening Laboratory in advance to prearrange a date for procurement. To confirm availability and to obtain our requisition form, please contact Miss Mellissa Gaudet or Maria Plesa, at least one week prior to the proposed date of patient sampling.

belpt@muhc.mcgill.ca

Laboratory: 514-934-1934 ext.76426

Secretary: 514-394-1934 ext. 76171 or 76172

Fax : 514-933-3962



2 – Required material :

To process to BeLPT, 30ml of heparinized blood (green tubes) are necessary. If required, we keep at your disposal blood BeLPT kits. They can be sent in individual styrofoam and carton box.

Each kit is sent in a cardboard box and is accompanied with a label bearing the address where the samples must be shipped to as well as a label "UN3373 BIOLOGICAL SUBSTANCE CATEGORY B ". The kits are also available in large styrofoam shippers for multiple samples.

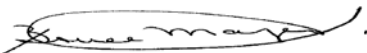
Each kit contains 1 styrofoam box, 3 Green Vacutainer® (Sodium heparin-10ml), 1 absorbent pad, 1 type 21G needle, alcohol swab, Parafilm® to seal the tubes, a red tape to seal the box, a hermetic plastic bag, an assembly guide for ThermoSafe® diagnostic shipper, the BeLPT requisition form, the instructions for sample storage and shipment.

Informations and blood sample procedure for the beryllium induced lymphocyte proliferation test (BeLPT) (p.2)

3 – Sample preparation and shipping:

- 1- Each sample must be accompanied with the original or copy of the medical prescription.
- 2- Please fill in the BeLPT requisition form. You may include all identification number that you want to appear on the results report. Please include the name of the referring physician, and the address to which the results and the invoice should be sent.
- 3- Draw 30ml of blood into heparinized green tubes. There is no need for the patient to be starved prior to the test.
- 4- CLEARLY identify each of the tubes with the name of the patient.
- 5- Place the blood filled tubes into the styrofoam box with the absorbent pad. seal the box with the red tape, place the box into the hermetic plastic bag and insert it all into the cardboard box.
- 6- Safely wrap the tubes, following the figures in the ThermoSafe® assembly guide. Please do not put the requisition form into the plastic bag with the tubes, but join it with the shipment.
- 7- Send the blood sample with a return adress, by courier, for immediate delivery. Ideally, the samples should arrive at the Meakins-Christie Laboratories the same day or prior to 12:00 pm (noon) the next day to ensure optimal set-up and analysis. For safety reasons, the package must be labeled as follows

**FOR IMMEDIATE DELIVERY
HUMAN BLOOD – PERISHABLE
DO NOT REFRIGERATE – DO NOT FREEZE
BLOOD SPECIMEN EXEMPT**

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IMPORTANT NOTICE, TO ENSURE QUALITY OF THE SPECIMEN:



Extreme temperature (below 10°C and above 40°C) can invalidate the assay. Please advise your courier about the nature of the specimens and the handling conditions.
All the tubes of blood must remain at room temperature, or between 18 to 23°C, before and all along transportation. Avoid temperature deviations.



The samples must be shipped no later than 24h after the blood was drawn.

Informations and blood sample procedure for the beryllium induced lymphocyte proliferation test (BeLPT) (p.3)

4 – Results reports and Invoice :

The BeLPT results are available within 15 working days and though will be sent to referring physician. No results will be communicated by fax or by phone to the patient.

An invoice will be emitted and sent to the person and address mentionned on the requisition form. It is payable by cheque only, at the Research Institute of McGill University Center (RI-MUHC), prior to obtaining the final results.

5- Other information - Service Contract :

For more information about the collection or shipment of blood, and on service agreement or pricing do not hesitate to contact our support team at 514-934-1934 ext. 76426.