ONTARIO TUMOUR BANK
Monique Albert, Director

PROGRAM HIGHLIGHTS

- Ontario-wide biorepository and data bank, collecting blood and tissue samples;
- Four academic teaching hospitals participate: Kingston General Hospital, London Health Sciences Centre, St. Joseph’s Healthcare Hamilton, The Ottawa Hospital;
- Dedicated staff at each site who collect samples and clinical data from participating consented donors;
- Stringent procedures and ethical guidelines;
- Samples consented for a wide range of uses, including the development of commercial products;
- OTB makes no claims to intellectual property developed by the recipient of the material;
- Resource for academic and industry researchers.

PROGRAM ADVANTAGES

SAMPLES
Sample types: tumour tissue, normal adjacent tissue, peripheral blood.
Sample preparation: fresh frozen tissue (250 mg/vial), paraffin-embedded formalin-fixed tissue, cryopreserved plasma (1ml/vial) and buffy coat (250 ul/vial)

Facts:
- Fresh frozen tissues are cryopreserved within 30 minutes post-resection, blood preparations are also stored in the vapour phase of liquid nitrogen;
- Tumours at varying stages of cancer from over 35 disease sites
- All cases are verified by a pathologist;
- All samples labeled with a barcode;
- Random quality assurance testing is performed on two per cent of all samples;
- The Ontario Tumour Bank can also create custom tissue microarrays and provide extracted RNA and DNA.

CLINICAL DATA
Privacy of tumour bank donors and accuracy of clinical information are key to the bank’s operation. Data formats include:

Basic data
- Sample collection details (collection date, processing time);
- Age at time of collection;
- Sex;
- Vital status;
- Diagnosis;
- Histopathology (size of tumour, extent of disease);
- Staging.

Full data (basic data set supplemented with):
- Patient history;
- Family history;
- Comprehensive surgical data;
- Systemic therapy;
- Radiotherapy/brachytherapy;
- Outcome.

Sample Request Procedure

Contact
For more information about the Ontario Tumour Bank please contact:
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Visit us on the web at www.ontariotumourbank.ca

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