



# ONTARIO TUMOUR BANK

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## 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:

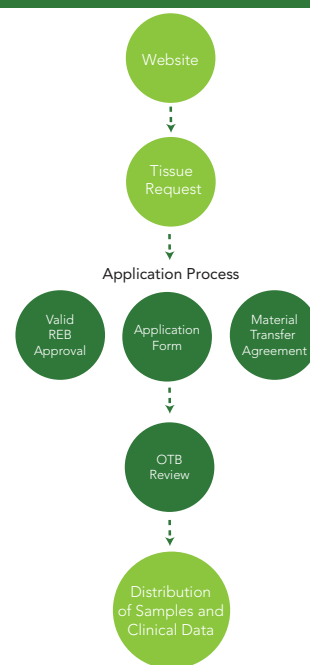
#### Basic data

- 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:  
[tumourbank@oicr.on.ca](mailto:tumourbank@oicr.on.ca)

Visit us on the web at  
[www.ontariotumourbank.ca](http://www.ontariotumourbank.ca)



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