



Douglas – Bell Canada Brain Bank

SUGGESTED HUMAN TISSUE HANDLING PRECAUTION SUMMARY

The Douglas – Bell Canada Brain Bank does not distribute samples known to have been exposed to or infected with infectious agents such as HIV (AIDS), hepatitis-B or the Creutzfeldt-Jakob prion. The Brain Bank is, however, unable to offer any guarantee that any of the donors of its tissues were not exposed or infected by any infectious agent. Thus all such tissues should be treated as being a risk for such transmission and handled carefully.

Studies have shown several extremely hazardous agents to also be very stable. The Creutzfeldt-Jakob prion, for example, has been shown to be active in fixed tissue that was removed after 30 years under a glass cover histology slide or from samples kept at -80°C for several years. The extract from these tissues were injected into a monkey which later died of Creutzfeldt-Jakob disease. The prion has also been shown to be resistant to conventional autoclaving. Although relatively rare, there is no quick screening method for such infectious agents and adequate caution must be exercised.

It is perhaps best to assume that any human sample contains highly infectious agents. Tissue work should be confined within a hood with all personnel taking special care. Double gloving and protective garments are necessary along with face masks and goggles or a Plexiglas face shield. Disposable instruments or an effective regimen of decontamination (including autoclaving) should be utilized.

Any waste material should be treated as a biohazard. Waste should be disposed of according to your institution's policy for handling such material, which may include incineration, autoclaving and burial, or other methods.



Douglas – Bell Canada Brain Bank

STATEMENT

I/We _____

Testify that all tissues obtained from the Douglas – Bell Canada Brain Bank will be processed and kept at **the address mentioned below** (if not, please explain why).

Under no circumstances, brain tissues or products extracted from these samples will be sent to other, not already identified (to the Brain Bank) collaborative laboratories.

Brain tissue samples will be used for research only.

Products (proteins, ribonucleic acid, deoxyribonucleic acid, cell line, etc...) extracted from or derivatives obtained from human brain tissues cannot be used for any commercial purposes.

I/We have read the suggested human tissue handling precaution summary and accept full responsibility to insure that proper, safe handling techniques are employed when working with human postmortem brain tissue.

I/We understand that the Brain Bank does not usually distribute cases known to have been exposed to or infected with agents such as HIV (AIDS), hepatitis-B or Creutzfeldt-Jakob prion, however, the Brain Bank is unable to guarantee that any of its tissue donors were not exposed or infected.

I/We will acknowledge the Brain Bank in any publications and send a reprint of all publications related to the use of this tissue.

Signature

Date

Signature

Date

Signature

Date

Address where the brain tissues will be sent and processed:

Name of Institution: _____

Address: _____

City: _____

Province / State: _____

Country and Postal Code: _____