

General brain banking protocol

Always use universal precautions!

Wear lab coat or gown, gloves, face shield.

Equipment needed: surgical knife, safety scalpel, forceps, 10% formalin, 2 ice buckets with dry ice, marker, pencil, freezer tubes, small tissue cassettes, 2 freezer boxes, large glass slides, O.C.T., frozen tissue cassette, and bleach.

Obtain CW# from database and pre-label freezer tubes, tissue cassettes, & freezer boxes.

Hemisect the two hemispheres with a mid-sagittal cut through the corpus callosum and place the left side in 10% formalin.

Make coronal cuts through the right hemisphere- approx. 1cm thick/ slice.

Place brain regions listed below in freezer tubes containing approx. 0.1g. Freezer tubes should then be placed directly on dry ice.

Make 3 O.C.T. sections for future frozen sections- containing the following regions:

1. Cortical Gray and White Matter- CGM/CWM
2. Basal Ganglia- BG
3. Cerebellum- CB

Labeled freezer tubes: CW# +

5 with HI (Hippocampus)

5 with GP (Globus Pallidus)

5 with PUT (Putamen)

5 with CAU (Caudate)

10 with FC (Frontal Cortex)

10 with OC (Occipital Cortex)

10 with CB (Cerebellar Cortex)

10 with BS (Brainstem)