

# Staining And Preparation of Slides

We appreciate your time to fill out this survey. We are collecting these data to understand current sampling/staining practices across ADRCs. All questions below are based on formalin fixed paraffin embedded (FFPE) standard microscope slides. If utilizing other types of cutting methods, please describe below in appropriate sections. There are places to upload current protocols you have if you wish. Please remember this is an overview survey, so we want to know the general/current processes your ADRC are using for brains. We realize there are always exceptions / special cases, so this is just to capture the most commonly used parameters.

What ADRC are you affiliated with?

What is your role in the ADRC?

- ADRC Director
- Neuropathology Core Leader
- Neuropathology Core Staff
- Other

How do you currently process / counterstain your IHC slides? Check all that apply.

	Yes	No
Hematoxylin Counter Stain Used	<input type="radio"/>	<input type="radio"/>
DAB as chromogen (brown) with no enhancement:	<input type="radio"/>	<input type="radio"/>
DAB as chromogen with nickel enhancement	<input type="radio"/>	<input type="radio"/>

Special Preparation / Additional Info, average cost per slide of IHC?

Brain Hemisphere

- Left
- Right
- Both

Average Section thickness in  $\mu\text{m}$ :

# WHOLE SLIDE IMAGING

What type of slide scanner does your ADRC primarily have access to/use ?

- Aperio / Leica
- Zeiss
- Philips
- Huron
- Other

- Olympus
- Perkin Elmer
- Keyence
- None

## ANTIBODY INFORMATION

Please indicate all the current antibodies used at your center for ADRC cases. Check all that apply.

### Tau Antibody

- AT8
- PHF1
- CP13
- Not assessed
- Other

### Tau Vendor / Clone Info

### aBeta Antibody

- 10D5
- 4G8
- 6E10
- Not assessed
- Other

### aBeta Vendor / Clone Info

### TDP43 Antibody

- Non-phospho specific
- Phospho-specific
- Not assessed

### TDP43 Vendor / Clone Info

### Alpha Synuclein Antibody

- Non-phospho specific
- Phospho-specific
- Not assessed

### Alpha Synuclein Vendor / Clone Info

## REGION SURVEY

Please respond to the questions below using the current protocol for sampling anatomic regions within your ADRC. If you collect more than one slide / block per anatomic area, please check all boxes that apply to that area. This survey does not presume that all landmarks are necessarily present on a single slide / block.

Does the same expert / pathologist do most if not all of the blocking?

If no, please describe

If available, please upload a PDF of your current dissection / staining protocol(s)-having within the file name your specific ADRC



**Browse Files**

Drag and drop files here

## OLFACTORY BULB

### Landmarks included/used

<input type="checkbox"/> Bulb
<input type="checkbox"/> Tract
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other <input type="text"/>

### Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other <input type="text"/>

# CENTRAL GYRI

## Landmark included/used

<input type="checkbox"/> Pre
<input type="checkbox"/> Post
<input type="checkbox"/> Motor neurons present on microscopic evaluation
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

Do you target a specific # of Gyri and Sulci for this region, if so how many?

# PARIETAL GYRI

## Landmarks included/used

<input type="checkbox"/> Super
<input type="checkbox"/> Middle
<input type="checkbox"/> Inferior
<input type="checkbox"/> Angular gyrus
<input type="checkbox"/> Supramarginal gyrus
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

Do you target a specific # of Gyri and Sulci for this region, if so how many?

# TEMPORAL POLE

## Landmarks included / used

<input type="checkbox"/> Region collected
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other <input type="text"/>

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other <input type="text"/>

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other <input type="text"/>

# FRONTAL GYRI

## Landmarks included / used

<input type="checkbox"/> Superior
<input type="checkbox"/> Middle
<input type="checkbox"/> Inferior
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other <input type="text"/>

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other <input type="text"/>

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other <input type="text"/>

Do you target a specific # of Gyri and Sulci for this region, if so how many?

# TEMPORAL LOBE

## Landmarks included / used

<input type="checkbox"/> Superior
<input type="checkbox"/> Middle
<input type="checkbox"/> Inferior
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

Do you target a specific # of Gyri and Sulci for this region, if so how many?

# VISUAL CORTEX

## Landmarks included / used

<input type="checkbox"/> Line of Gennari (BA17)
<input type="checkbox"/> BA18
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# POSTERIOR HIPPOCAMPUS

## Landmarks included / used

<input type="checkbox"/> CA1-4 with dentate gyrus
<input type="checkbox"/> Parahippocampal Gyrus
<input type="checkbox"/> Tail of caudate
<input type="checkbox"/> Lateral Geniculate Nucleus
<input type="checkbox"/> Occipital Temporal Gyrus
<input type="checkbox"/> Not collected
<input type="checkbox"/> Other <input type="text"/>

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other <input type="text"/>

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other <input type="text"/>

# ANTERIOR CINGULATE GYRUS

## Landmarks included

<input type="checkbox"/> Corpus Callosum
<input type="checkbox"/> Superior Frontal
<input type="checkbox"/> Not collected
<input type="checkbox"/> Other <input type="text"/>

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other <input type="text"/>

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other <input type="text"/>

# POSTERIOR CINGULATE GYRUS

## Landmarks included / used

<input type="checkbox"/> Corpus Collosum
<input type="checkbox"/> Region Collected
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# AMYGDALA

## Landmarks included / used

<input type="checkbox"/> Entorhinal Cortex
<input type="checkbox"/> Not collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other



# STRIATUM

## Landmarks included / used

<input type="checkbox"/> Anterior Commissure
<input type="checkbox"/> Nucleus Basalis of Meynert
<input type="checkbox"/> Globus Pallidus
<input type="checkbox"/> Caudate
<input type="checkbox"/> Internal Capsule
<input type="checkbox"/> External Capsule
<input type="checkbox"/> Putamen
<input type="checkbox"/> Nucleus Accumbens
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# THALAMUS AND SUBTHALAMIC NUCLEI

## Landmarks included

<input type="checkbox"/> Mammillary Body
<input type="checkbox"/> Subthalamic Nucleus
<input type="checkbox"/> Mammilo-thalamic Tract
<input type="checkbox"/> Anterior Nucleus of the thalamus
<input type="checkbox"/> Pulvinar
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# PERIVENTRICULAR WHITE MATTER

## Types of White Matter included

<input type="checkbox"/> Frontal
<input type="checkbox"/> Parietal
<input type="checkbox"/> Temporal
<input type="checkbox"/> Occipital
<input type="checkbox"/> Not Collected

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# ANTERIOR HIPPOCAMPUS

## Landmarks included

<input type="checkbox"/> Entorhinal Cortex
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# MIDBRAIN

## Landmarks included

<input type="checkbox"/> 3rd Cranial Nerve
<input type="checkbox"/> Substantia Nigra
<input type="checkbox"/> Red Nucleus
<input type="checkbox"/> Superior Colliculus
<input type="checkbox"/> Not Collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# PONS

## Landmarks included

<input type="checkbox"/> Superior Cerebellar Peduncle
<input type="checkbox"/> Inferior Colliculus
<input type="checkbox"/> Locus Coeruleus
<input type="checkbox"/> Pontine Base / Fibers
<input type="checkbox"/> Not collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# MEDULLA

## Landmarks included

<input type="checkbox"/> Dorsal Motor Nucleus of the Vagus
<input type="checkbox"/> Hypoglossal Nucleus
<input type="checkbox"/> Inferior Olive
<input type="checkbox"/> Medullary Velum
<input type="checkbox"/> Pyramid
<input type="checkbox"/> Not collected
<input type="checkbox"/> Other

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Sampled before coronal slicing
<input type="checkbox"/> Sampled after coronal slicing
<input type="checkbox"/> Other

# CEREBELLUM

## Landmarks included / used

<input type="checkbox"/> Dentate
<input type="checkbox"/> Vermis
<input type="checkbox"/> Cortex
<input type="checkbox"/> Not Collected

## Stains

<input type="checkbox"/> H&E
<input type="checkbox"/> A $\beta$ Stain
<input type="checkbox"/> Tau Stain
<input type="checkbox"/> $\alpha$ -Synuclein
<input type="checkbox"/> TDP-43
<input type="checkbox"/> CD68
<input type="checkbox"/> Silver
<input type="checkbox"/> Other

## Sampling

<input type="checkbox"/> Transverse section
<input type="checkbox"/> Longitudinal section
<input type="checkbox"/> Coronal section
<input type="checkbox"/> Other

Submit