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 th	at apply.	
			Yes	No
Hematoxylin Counter Stain	Used		0	0
DAB as chromogen (brown)	with no enhancement:		0	0
DAB as chromogen with nic	kel enhancement		0	0
Special Preparation / Type here	Additional Info, average cost per slide of IHC?	□ L	in Hemisp Left Right Both	here
Average Section thick	kness in μm:			

WHOLE SLIDE IMAGING

What type of slide scanner does your ADRC primarily have access to/use?	□ Aperio / Leica□ Zeiss□ Philips□ Huron□ Other	Olympus Perkin El Keyence None	
	he current antibodies u	NFORMATIO sed at your center for Al 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	Alpha Synuclein Vendor / Clone Info

REGION SURVEY

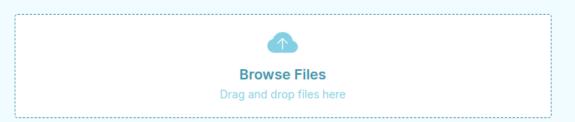
Not assessed

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



OLFACTORY BULB

Landmarks included/used



Stains

H&E
Aβ Stain
Tau Stain
α-Synuclein
TDP-43
CD68
Silver
Other

CENTRAL GYRI

Landmark included/used Pre Post Motor neurons	Stains H&E Aβ Stain Tau Stain	Sampling Sampled before coronal slicing Sampled after coronal slicing Other	Do you target a specific # of Gyri and Sulci for this region, if so how many?
present on microscopic evaluation Not Collected Other	α-Synuclein TDP-43 CD68 Silver Other		
	PAR	IETAL GYRI	
Landmarks included/used	Stains H&E Aß Stain	Sampling Sampled before coronal slicing	Do you target a specific # of Gyri and Sulci for this region, if so how
	Ap Stail	Sampled after coronal	many?

Sampled after coronal

slicing

Other

Tau Stain

TDP-43

CD68

Silver

Other

α-Synuclein

Mlddle

Angular gyrus

Not Collected

Supramarginal

gyrus

Other

Inferior

TEMPORAL POLE

Sampling

Landmarks included Stains

/ used				
Region collected	H&E		Sampled before coronal slicing	
	Aβ Stain		Sampled after coronal	-
Not Collected	Tau Stain	_	slicing	-
Other	α-Synuclein		Other	
	TDP-43	-		
	CD68	_		
	Silver	_		
	Other			
	FRO	NTA	L GYRI	
Landmarks included	FRO		L GYRI Sampling	Do you target a
/ used			Sampling Sampled before	specific # of Gyri and Sulci for this
/ used	Stains		Sampling Sampled before coronal slicing	specific # of Gyri
/ used Superior Middle	Stains H&E		Sampling Sampled before	specific # of Gyri and Sulci for this region, if so how
/ used Superior Middle Inferior	Stains H&E Aβ Stain		Sampling Sampled before coronal slicing Sampled after coronal	specific # of Gyri and Sulci for this region, if so how
/ used Superior Middle Inferior Not Collected	Stains H&E Aβ Stain Tau Stain		Sampling Sampled before coronal slicing Sampled after coronal slicing	specific # of Gyri and Sulci for this region, if so how
/ used Superior Middle Inferior	Stains H&E Aβ Stain Tau Stain α-Synuclein		Sampling Sampled before coronal slicing Sampled after coronal slicing	specific # of Gyri and Sulci for this region, if so how
/ used Superior Middle Inferior Not Collected	Stains H&E Aβ Stain Tau Stain α-Synuclein TDP-43		Sampling Sampled before coronal slicing Sampled after coronal slicing	specific # of Gyri and Sulci for this region, if so how

TEMPORAL LOBE

Landmarks included / used	Stains	Sampling	Do you target a specific # of Gyri
	H&E	Sampled before coronal slicing	and Sulci for this
Superior	Aβ Stain	Sampled after coronal	region, if so how many?
Inferior	Tau Stain	slicing	
Not Collected	α-Synuclein	Other	
Other	TDP-43		
Other	CD68		
	Silver		
	Other		

VISUAL CORTEX

Landmarks included / used	Stains	Sampling
Line of Gennari	H&E	Sampled before coronal slicing
(BA17)	Aβ Stain	Sampled after coronal
BA18	Tau Stain	slicing
Not Collected	α-Synuclein	Other
Other	TDP-43	
	CD68	
	Silver	
	Other	

POSTERIOR HIPPOCAMPUS

Landmarks include / used	ed	Stains	Sampling
		H&E	Sampled before coronal slicing
CA1-4 with dentate gyrus		Aβ Stain	Sampled after coronal
Parahippocampal Gyrus		Tau Stain	slicing
Tail of caudate		α-Synuclein	Other
Lateral Geniculate		TDP-43	
Nucleus		CD68	
Occipital Temporal Gyrus		Silver	
Not collected		Other	
Other			

ANTERIOR CINGULATE GYRUS

Landmarks included	Stains	Sampling
Corpus Callosum	H&E	Sampled before coronal slicing
Superior Frontal	Aβ Stain	Sampled after coronal
Not collected	Tau Stain	slicing
Other	α-Synuclein	Other
	TDP-43	
	CD68	
	Silver	
	Other	

POSTERIOR CINGULATE GYRUS

Landmarks included / used	d Stains	Sampling
	☐ H&E	Sampled before coronal slicing
Corpus Collosum	Aβ Stain	Sampled after coronal
Region Collected	Tau Stain	slicing
Not Collected	α-Synuclein	Other
Other	TDP-43	
	CD68	
	Silver	
	Other	

AMYGDALA

Sampling

/ used		
Entorhinal Cortex	H&E	Sampled before coronal slicing
Not collected	Aβ Stain	Sampled after coronal
Other	Tau Stain	slicing
	α-Synuclein	Other
	TDP-43	
	CD68	
	Silver	

Other

Landmarks included Stains

STRIATUM

Landmarks include / used	ed
Anterior Commissure	
Nucleus Basalis of Meynert	
Globus Pallidus	
Caudate	
Internal Capsule	
External Capsule	
Putamen	
Nucleus Accumbens	
Not Collected	

Other

Stains
H&E
Aβ Stain
Tau Stain
a-Synuclein
DP-43
CD68
Silver
Other

Sampling

Sampled before coronal slicing
Sampled after coronal slicing
Other

THALAMUS AND SUBTHALAMIC NUCLEI

Mammillary Body Subthalamic Nucleus Mammilo-thalamic Tract Anterior Nucleus of the thalamus Pulvinar Not Collected Other

Landmarks included

H&E
Aβ Stain
Tau Stain
α-Synuclein
DP-43
CD68
Silver
Other

Stains

Sampling

Sampled before coronal slicing
Checklist Sampled after coronal slicing
Other

PERIVENTRICULAR WHITE MATTER

Types of White Matter included	Stains	Sampling
Frontal	H&E	Sampled before coronal slicing
	Aβ Stain	Sampled after coronal
Parietal	Tau Stain	slicing
Temporal	α-Synuclein	Other
Occipital	TDP-43	
Not Collected	CD68	
	Silver	
	Other	

ANTERIOR HIPPOCAMPUS

Landmarks included	Stains	Sampling
Entorhinal Cortex	H&E	Sampled before coronal slicing
Not Collected	Aβ Stain	Sampled after coronal
Other	Tau Stain	slicing
	α-Synuclein	Other
	TDP-43	
	CD68	
	Silver	

MIDBRAIN

Landmarks included	Stains	Sampling
3rd Cranial Nerve	H&E	Sampled before coronal slicing
Substantia Nigra	Aβ Stain	Sampled after coronal
Red Nucleus	Tau Stain	slicing
Superior Colliculus	α-Synuclein	Other
Not Collected	TDP-43	
Other	CD68	
	Silver	
	Other	

PONS

Landmarks included	Stains	Sampling
Superior Cerebellar Peduncle	H&E	Sampled before coronal slicing
Inferior Colliculus	Aβ Stain	Sampled after coronal
Locus Coeruleus	Tau Stain	slicing
Pontine Base /	α-Synuclein	Other
Fibers	TDP-43	
Not collected	CD68	
Other	Silver	
	Other	

MEDULLA

Landmarks included	Stains	Sampling
Dorsal Motor Nucleus of the	H&E	Sampled before coronal slicing
Vagus	Aβ Stain	Sampled after coronal
Hypoglossal Nucleus	Tau Stain	slicing
Inferior Olive	α-Synuclein	Other
Medullary Velum	TDP-43	
Pyramid	CD68	
Not collected	Silver	
Other	Other	
Landmarks included	Stains	Sampling
/ used	H&E	Transverse section
Dentate	Aβ Stain	Longitudinal section
Vermis	Tau Stain	Coronal section
Cortex	α-Synuclein	Other
Not Collected	TDP-43	
	CD68	
	Silver	
	Other	

Submit