

North American Prodromal Synucleinopathy (NAPS2)



The National Centralized Repository for Alzheimer's Disease and Related Dementias (NCRAD)

Biofluids Collection Training Slides



National Centralized Repository for Alzheimer's Disease and Related Dementias

Contact Information

Questions?

Please contact NCRAD Coordinators at:

• Phone: 1-800-526-2839 or 317-278-1133

• E-mail: <u>alzstudy@iu.edu</u> or <u>agericks@iu.edu</u>

• Website: www.ncrad.org



Training Overview

- GUIDs
- Specimen Collection Schedule
- Kit Request Module
- Specimen Labels
- Handling/Processing Study Specimens
- Sample Shipping
- NCRAD Website
- Questions



Globally Unique Identifier (GUID)

- The GUID is a subject ID that allows researchers to share data specific to a study participant, without exposing personally identifiable information
- A GUID is made up of random alpha-numeric characters and does not include any PHI in the identifier

The GUID is required for NAPS2!



Globally Unique Identifier (GUID)

- 1. Create an account: https://bricsguid.nia.nih.gov/portal/jsp/login.jsp
- 2. Once you have an account, go to the GUID Tool Create GUID
- 3. To open the 'Launch GUID Tool' you will need to have Java installed on your device
- 4. When the GUID Tool is open, you will need all of the following information
 - Complete legal given (first)name of participant at birth
 - The participant's middle name, if applicable
 - Complete legal family (last) name of subject at birth
 - Day of birth
 - Month of birth
 - Year of birth
 - Name of city/municipality in which subject was born (Using an abbreviation for the name of the city matters and will result in 2 GUIDS for the same person (i.e. Saint Louis vs St. Louis, St. Paul vs Saint Paul) It is important to be consistent.
 - Country of birth



Specimen Collection Schedule

	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6	Cycle 7	Cycle 8
Serum	X	X	X	X	X	X	X	X
Plasma	X	Х	X	X	X	X	Х	X
Buffy Coat	X	Х	X	X	X	X	Х	X
RNA	X	X	X	X	X	X	X	X
CSF*	X	Х	X	Х	Х	Х	Х	X

^{*}CSF collection highly encouraged for RBD group each cycle, but not mandatory. CSF collection is mandatory for Control group in Cycle 1 and optional in following cycles.



NAPS2 Update



Update Details

- Changing the size and number of Plasma and CSF aliquots
- Previously: Plasma & CSF were aliquoted into 1.5ml aliquots
- Now: first 10 x aliquots will be 0.5ml and the rest will be 1ml
- Implications:
 - Kit contents
 - Labeling samples
 - Processing plasma & CSF
 - Sample shipment



www.kits.iu.edu/NAPS2



NAPS2 ACTIVE STUDY PAGE

Welcome NAPS2 Study staff, coordinators, and PI's.

This section encompasses study specific tools and videos for your reference. If you have any questions, comments, or new ideas please contact NCRAD by email or phone 1-800-526-2839 or directly at 317-278-8413.

SPECIMEN COLLECTION OVERVIEW

	VISIT 1	VISIT 2	VISIT 3	VISIT 4	VISIT 5
Serum	~	~	~	~	~
Plasma	~	~	~	~	~
Buffy Coat*	~	~	~	~	~
RNA	~	~	~	~	~
CSF*	~	~	~	~	~

^{*} CSF collection optional after visit 1

Study Resources

KIT REQUEST MODULE

Please follow the below link to access the Kit Request Module. This link will direct you to a REDCap database where study coordinators and staff may request kits, individual supplies, and/or labels. Study related sites will use the same link for ordering supplies related to blood-based samples and for CSF. Please allow a total of three weeks for kit requests to be compiled and delivered to your site.

Kit Request System →

BIOLOGICAL SAMPLE AND SHIPMENT NOTIFICATION FORMS

Please use the below downloadable forms to collect information on specimen patient demographics, collection, and processing. We respectfully ask that all completed forms be **emailed** prior to shipment. If you complete the form on the website, you can choose to have it emailed automatically to us. We also ask that all shipments include a hard copy of each sample form.

Blood Sample Form

CSF Sample Form

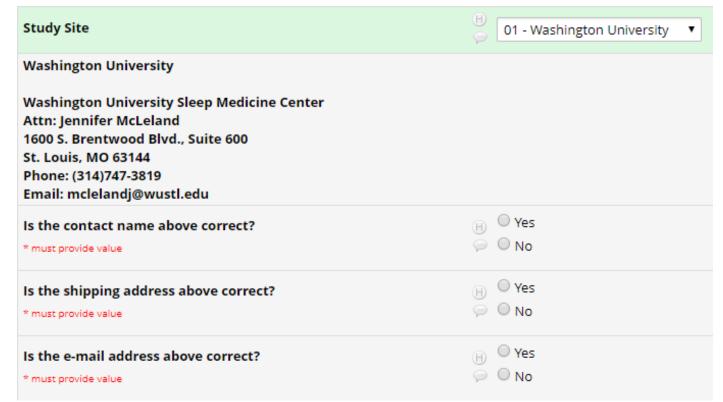
L



- Kits and individual supplies available to order:
 - Blood Collection Kit
 - CSF Kit
 - LP 22 Gauge Kit
 - LP 24 Gauge Kit
 - Blood Supplemental Kit
 - CSF Supplemental Kit
 - Frozen Shipping Kit
 - Individual Supplies

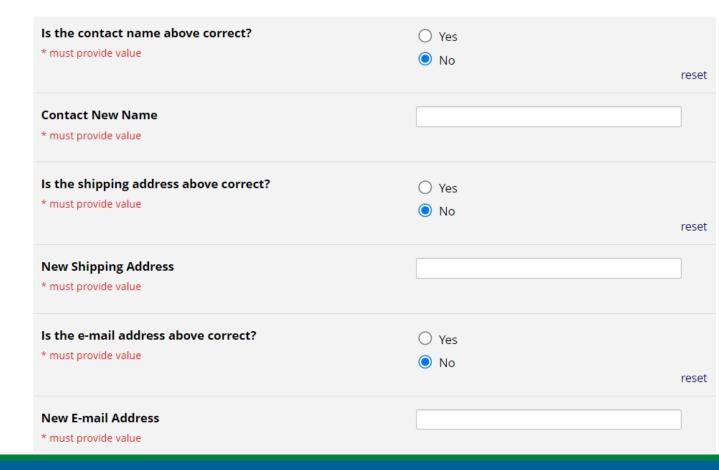


- 1. Choose your site from the drop-down list.
- 2. The coordinator name and contact information will populate.
- 3. Verify that this information is correct.



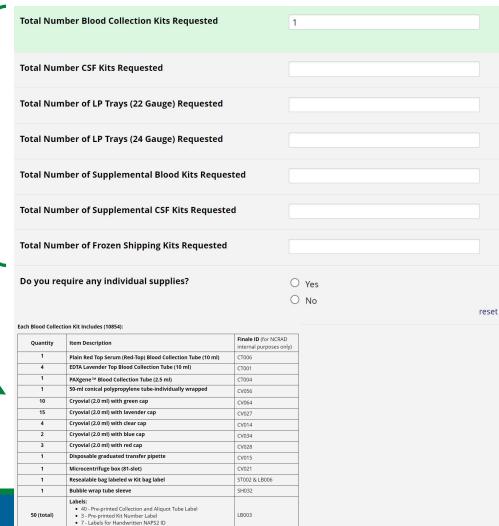


- 1. If any of the information is incorrect, please indicate so by selecting "No."
- 2. A text box will appear.
- 3. Provide the correct information here.



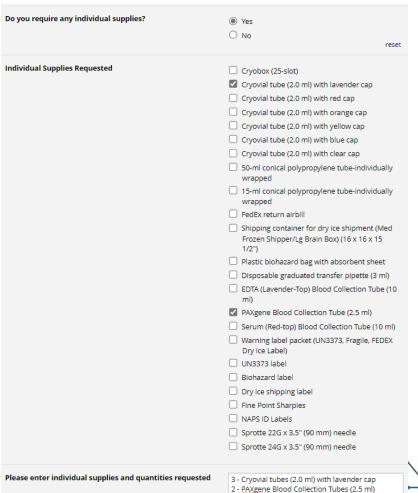
Kit Request Module: Kit Selection

- Indicate the quantity needed of each kit
- Each kit will be registered for cycle 1, but you can use it for any visit
- Once selected, kit components of the chosen kit will appear at the bottom of the screen
- **Note: You can order more than one type of kit in a single kit request**



Kit Request Module: Kit Selection

- If individual supplies are needed, select yes, select the supplies needed, and specify quantities below.
- Click "Submit" to turn in your request.
- The IU staff will notify you that your request has been received and address any issues.



- Each site is responsible for ordering kits and maintaining supplies on site for their scheduled participants.
- To order kits, sites will use the Indiana University online kit ordering module: www.kits.iu.edu/NAPS2
- Allow around 3 weeks for your order to be processed and shipped.

Specimen Labels



Specimen Labels

- Label type summary:
 - Kit Number Labels
 - NAPS2 ID Labels
 - Collection and Aliquot Tube Labels
 - Differ by specimen type
- All labels are provided in the kits



Specimen Labels: Kit Number Labels

- Used to track patient samples and provide quality assurance
- Will be placed on:
 - Blood & CSF Sample and Shipment Notification Forms
 - Outside of cryobox(es) that houses aliquot tubes during storage and shipment
 - CSF samples will have a different kit number than blood samples





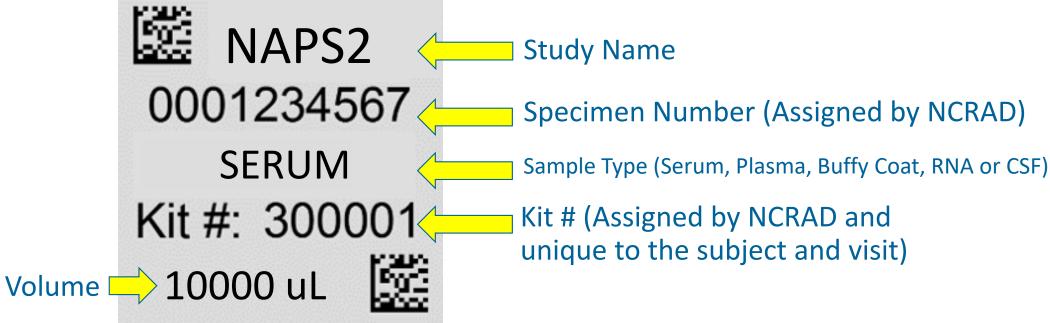
Specimen Labels: NAPS ID Labels

- Subjects will be identified by their NAPS2
 ID
- Sites will be responsible for handwriting the IDs on the provided labels
 - Fill in labels prior to adhering to tubes
 - Must use fine-point marker
- Labels will be placed on all collection tubes:
 - Serum Red Top Tube (10ml)
 - EDTA Lavender Top Tube (4 x 10 ml)
 - PAXGene™ Tube (2.5ml)

Site:	_
NAPS2 ID:	



Specimen Labels: Collection & Aliquot Tube Labels





Specimen Labels: Blood Collection Tubes

- All Serum, EDTA, and PAXGene™ collection tubes will have two labels:
 - Collection Tube Label
 - Site and NAPS2 ID Label

Label 1:

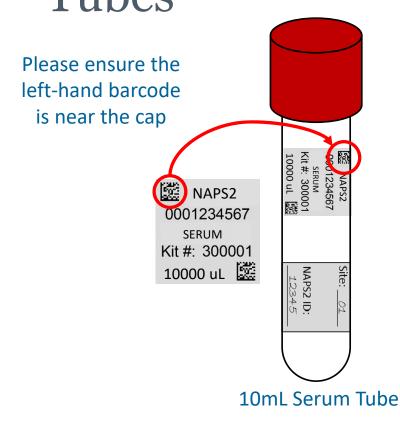
NAPS2 0001234567 PLASMA Kit #: 300001 10000 ul

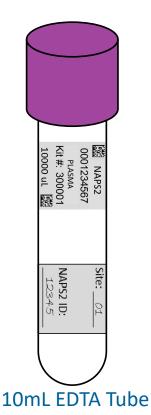
Label 2:

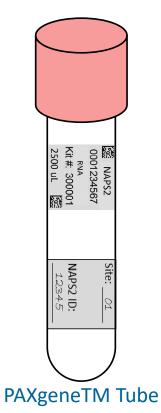
Site:
NAPS2 ID:



Specimen Labels: Blood Collection Tubes

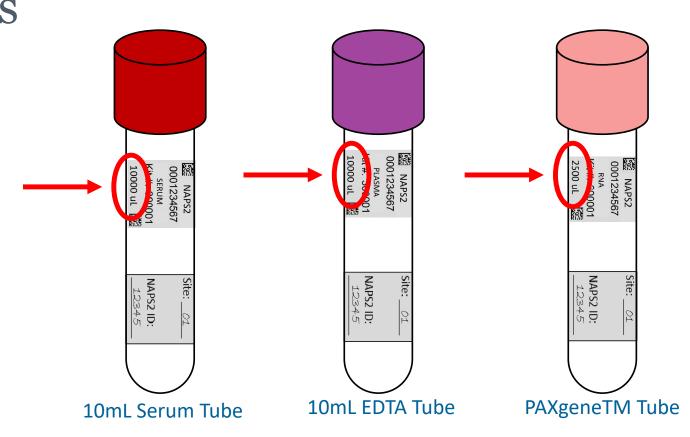








Specimen Labels: Blood Collection Tubes





Specimen Labels: Aliquot Tubes

- All aliquot tubes will have only <u>one</u> label:
 - Aliquot Tube Label



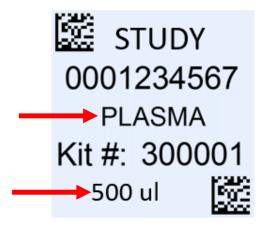
Cap Color	Sample Type			
Red Cap	Serum			
Green Cap	0.5ml aliquots (plasma and CSF)			
Lavender Cap	1ml Plasma aliquots			
Clear Cap	Buffy Coat			
Blue Cap	Residual (Serum, plasma, or CSF)			
Orange Cap	1ml CSF aliquots			
Yellow Cap	CSF to Local Lab			



Specimen Labels: Aliquot Tubes

All aliquot tubes will have only <u>one</u> label:

Aliquot Tube Label

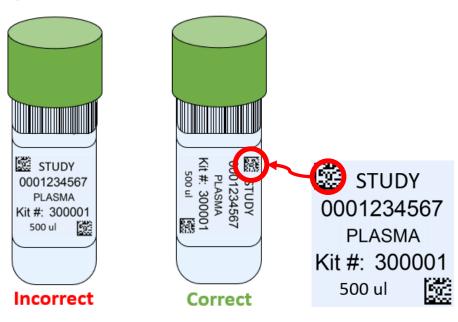


	Cap Color	Sample Type
Red Cap		Serum
	Green Cap	0.5ml aliquots (plasma and CSF)
	Lavender Cap	1ml Plasma aliquots
	Clear Cap	Buffy Coat
	Blue Cap	Residual (Serum, plasma, or CSF)
	Orange Cap	1ml CSF aliquots
	Yellow Cap CSF to Local Lab	



Specimen Labels: Aliquot Tubes (Serum, Plasma, Buffy Coat, and CSF)

ALIQUOT TUBE LABELING DIAGRAM

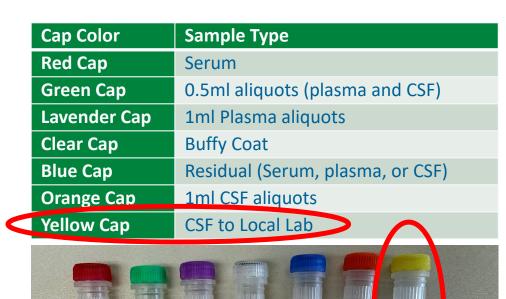


- Place the label horizontally.
- Place the left-hand barcode near the cap.



Specimen Labels: Yellow Aliquot Tube

Note: NCRAD does not provide a label for the yellow aliquot tube.



Specimen Labels: Labeling Biologic Samples

- Label all collection and aliquot tubes <u>before</u> collecting, processing or freezing samples.
- Label only <u>1</u> subject's tubes at a time to avoid mix-ups.
- Wrap the label around the tube <u>horizontally</u>.
 Label position is important for <u>all</u> tube types.
- Make sure the label is completely adhered by rolling between your fingers.



Handling/ Processing Study Specimens



Site Required Equipment

- Blood Collection/Safety Equipment:
- 1. Personal Protective Equipment (PPE)
 - Lab Coat, Safety Glasses
- 2. Tourniquet
- 3. Alcohol Prep Pad
- 4. Gauze Pad
- 5. Butterfly Needles
- 6. Bandage
- 7. Sharps Bin and Lid

- Processing/Storage Equipment:
- Centrifuge capable of ≥2000 xg with refrigeration to 4°C
- 2. -80°C Freezer
- 3. Wet Ice Bucket



Blood Collection & Processing: Sample Collection Tube

Draw Order	Tube Type	Number of Tubes Drawn (per visit)	Tube Image
1	Plain Red Top Serum Tube (10 ml)	1	STORE OF THE PARTY
2	EDTA (Lavender-Top) Tube (10 ml)	4	1366643 EA (P.2) EST (45) EST (45) EST (45)
3	PAXgene™ Blood Collection Tube (2.5 ml)	1	

Blood Collection & Processing: Aliquot Cryovials & Cap Colors

Cap Color	Sample Type		
Red Cap	Serum		
Green Cap	0.5ml aliquots (plasma and CSF)		
Lavender Cap	1ml Plasma aliquots		
Clear Cap	Buffy Coat		
Blue Cap	Residual (Serum, plasma, or CSF)		
Orange Cap	1ml CSF aliquots		
Yellow Cap	CSF to Local Lab		









Please e	email or fax the form o	n or prior to ti	he date of shipment	
	Email: alzstud		Phone: 1-800-52	6-2839
General Information:				
From:	Date:		Kit Barcode	
Phone:	Email:		}	
NAPS2 ID:	GUID ID:		j	
Sex: M F	Year of Birth:		i	
Visit (circle one): Cycle 1 Cycle 2 Cycl	le 3 Cycle 4 Cycle 5 C	ycle 6 Cycle 7	Cycle 8	
Select one: □ Case □ Control				
Tracking #:	CSF Collected? Yes	No		
Blood Collection: Blood Colle	cted (circle one): Yes	No		
1. Date Drawn:	[MMDDYYYY]	2. Time of	Draw: 24 hour clock:	[HHMH]
3. Date subject last ate:			ne subject ate: 24 hour clock	
	,			
Blood Processing:	PNA (DA	Vanna Tubal		
Total volume of blood draw	· · · · · · · · · · · · · · · · · · ·	Xgene Tube)	pel	
Date PAXgene RNA tube pla				
Time PAXgene RNA tube pla				1
Time Langelle Mya cabe pi			[[111414]	
The state of the s		ted Top Tube)	- f 1 - f	
Time spin started: 24 hour clock: Temp of centrifuge:°C	[ННММ]			
			ntrifuge:	x g
Original volume drawn (1x10mL Serum			£ 1 51	
Time aliquoted: [HHMN If applicable, volume of residual serum :			f 1.5mL serum aliquots crea	itea: x 1.5mL
If applicable, specimen number of resid Time aliquots placed in freezer: 24 hour				· · · · · · · · · · · · · · · · · · ·
				ii
	asma & Buffy Coat (EDT			
Time spin started: 24 hour clock: Temp of centrifuge:	[HHMM]			
		Rate of ce	ntrifuge:	x g
Original volume drawn (4x10mL EDTA to EDTA #1: mL	•		TA #4: Takel	Maluman ml
Time aliquoted: [HHM		mil ED	71A #4 ML 10tdi	volume mL
Plasma	iivij			
Number of 0.5mL plasma aliquots creat	ed (green can):	v 0 5r	ml	
Number of 1.0mL plasma aliquots creat				
If applicable, volume of residual serum				
If applicable, specimen number of resid				
Time aliquots placed in freezer: 24 hour				
Buffy Coat				
Buffy Coat aliquot #1 (last four digits): _		Buffy Coat	t aliquot #2 (last four digits)	c
Buffy Coat aliquot #1 Volume:			t aliquot #2 Volume:	
Buffy Coat aliquot #3 (last four digits): _			t aliquot #4 (last four digits)	
Buffy Coat aliquot #3 Volume:			t aliquot #4 Volume:	
Time aliquots placed in freezer: 24 hour	clock:	(HHMM)	Storage temperature of	freezer: °C





N/PS CONSORTIUM For REM Sleep Behavior Disorder Biological Sample and Shipment Notification Form

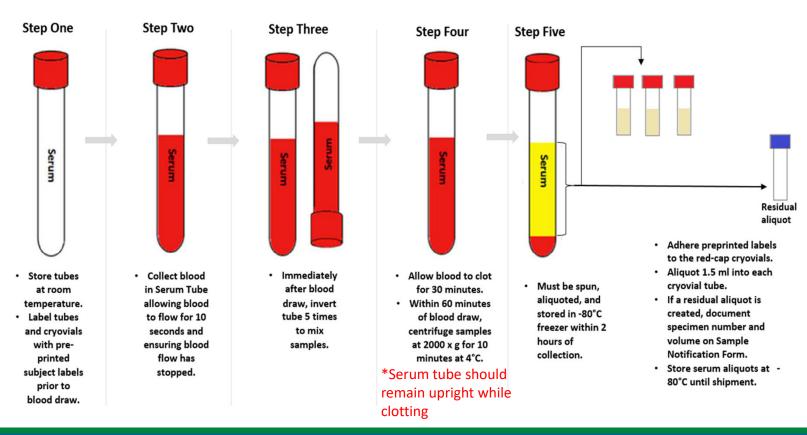


For REM Sleep Behavior Disorder Pleasi	e email or fax the form or	or prior to th	e date of shipment 🗡	<u></u>
To: Kelley Faber	Email: alzstudy	/@iu.edu	Phone: 1-800-526-28	39
General Information:				
From: Coordinator Name	Date: 05/08/20	24	Kit Barcode	
Phone: 111-111-1111	Email: Email@email.	.com		į
NAPS2 ID: NAPS2-00000	GUID ID: NDAROO	00000		
Sex: M F	Year of Birth:190			
Visit (circle one): Cycle 1 Cycle 2 C	ycle 3 Cycle 4 Cycle 5 Cy	cle 6 Cycle 7	Cycle 8	
Select one: X Case ☐ Contr	ol	_		
Tracking #:	CSF Collected? Yes	No		
	llected (circle one): Yes	No		
1. Date Drawn: 05/08/2024	[MMDDYYYY]	2. Time of [Draw: 24 hour clock:	[HHMM]
3. Date subject last ate:		4. Last time	subject ate: 24 hour clock:	[HHMM]
Blood Processing:				
	RNA (PA)	Kgene Tube)		
Total volume of blood dr	awn into a 1 x 2.5mL PAXge	ne RNA tube:	mL	
Date PAXgene RNA tube	placed in -80°C freezer:			
Time PAXgene RNA tube	placed in -80°C freezer: 24 h	nour clock:	[HHMM]	
	Serum (Re	ed Top Tube)		
Time spin started: 24 hour clock:	[HHMM]	Duration of	centrifuge:	minutes
Temp of centrifuge: °C			trifuge:	
Original volume drawn (1x10mL Seru	m tube): mL			
Time aliquoted:[HHI	MM]	Number of	1.5mL serum aliquots created:	x 1.5mL
If applicable, volume of residual seru	m aliquot (less than 1.5 mL)) (Blue cap):	mL	
If applicable, specimen number of re	sidual serum aliquot (Last fo	our digits):		
Time aliquots placed in freezer: 24 ho	our clock:[HHM	1M] Stor	age temperature of freezer:	°C
	Plasma & Buffy Coat (EDTA	(Lavender Top) Tube - 10mL)	
Time spin started: 24 hour clock:	[HHMM]	Duration of	centrifuge:	minutes
Temp of centrifuge:			trifuge:	
Original volume drawn (4x10mL EDTA	A tube):			
EDTA #1: mL	mL EDTA #3:	mL EDT	A #4: mL Total Volun	ne: mL
Time aliquoted:[HF	HMM]			
Plasma				
Number of 0.5mL plasma aliquots cre	ated (green cap):	x 0.5m	L	
Number of 1.0mL plasma aliquots cre	ated (purple cap):	x 1.0r	nL	
If applicable, volume of residual seru	m aliquot (Blue cap):		mL	
If applicable, specimen number of re	sidual plasma aliquot (Last f	our digits):		
Time aliquots placed in freezer: 24 ho	our clock:	[HHMM]		
Buffy Coat				
Buffy Coat aliquot #1 (last four digits)):	Buffy Coat	aliquot #2 (last four digits):	
Buffy Coat aliquot #1 Volume:	mL	Buffy Coat	aliquot #2 Volume:	mL
Buffy Coat aliquot #3 (last four digits)):	Buffy Coat	aliquot #4 (last four digits):	
Buffy Coat aliquot #3 Volume:		-	aliquot #4 Volume:	mL
Time aliquots placed in freezer: 24 ho		[HHMM]	Storage temperature of freez	
Notes:		-		



Serum Preparation (10ml Red Top Tube)







Serum Labeling

Collection & Aliquot Tube Labels - Serum



 1 x Plain Red-Top Serum Blood Collection Tube (10mL). Use the Serum label with volume = 10000uL



NAPS2 00000000004 SERUM Kit #: 123456 1500 uL 3 x Red cap 2.0mL cryovials. Use the 3 Serum labels that have quantity = 1500uL, with the smallest specimen numbers.



Kit #: 123456 1500 uL

> If needed: 1 x Blue cap 2.0mL cryovials. Use the Serum label that has quantity = 1500uL, with the highest specimen number.

NAPS2 ID Label

Site:	

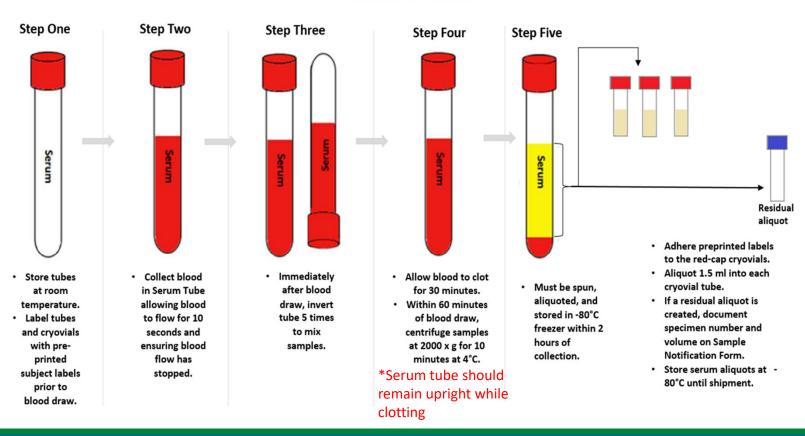
NAPS2 ID:

 1 x Plain Red-Top Serum Blood Collection Tube (10mL)



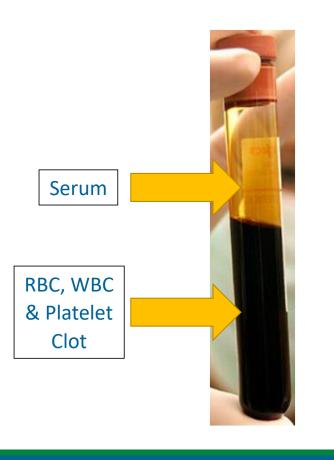
Serum Preparation (10ml Red Top Tube)

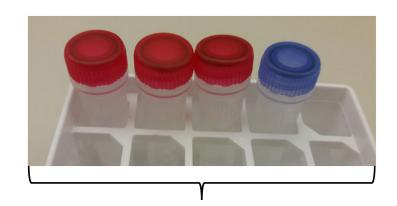






Red Top Tube – Serum Collection





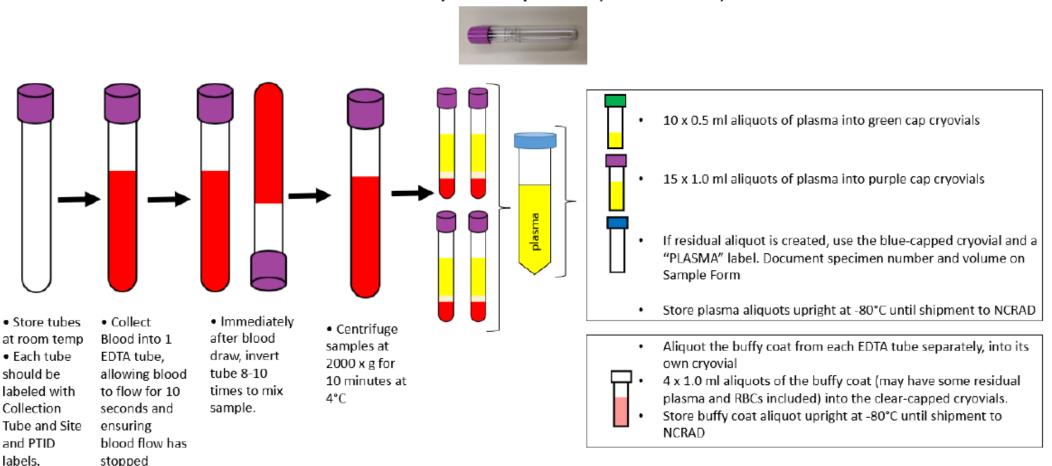
Serum Aliquots (up to 4 possible, including the residual)



Close up view of 2.0 ml Cryovial



Plasma & Buffy Coat Preparation (EDTA Tube x 4)



Ensure tubes are not expired prior to blood draw

Spin, aliquot, and freeze all plasma and buffy coat aliquots within 2 hours of collection

Please be sure to compare the labels on each tube and cryovials to the Biological Sample Form included with each kit

EDTA Tube - Plasma & Buffy Coat Labeling

Collection & Aliquot Tube Labels - Plasma & Buffy Coat



through



 4 x EDTA (Lavender-Top) Blood Collection Tube (10mL). Use the PLASMA labels with quantity = 10000uL.



through



 10 x Green cap 2.0mL cryovials. Use the ten PLASMA labels with quantity = 500uL.



through



 15 x Purple cap 2.0mL cryovials. Use the PLASMA labels with quantity = 1000uL.



If needed: 1 x Blue cap 2.0mL cryovial.
 Use the PLASMA label with the highest specimen number and quantity = 1000uL.



through



• 4 x clear cap 2.0mL cryovials.

NAPS2 ID Labels

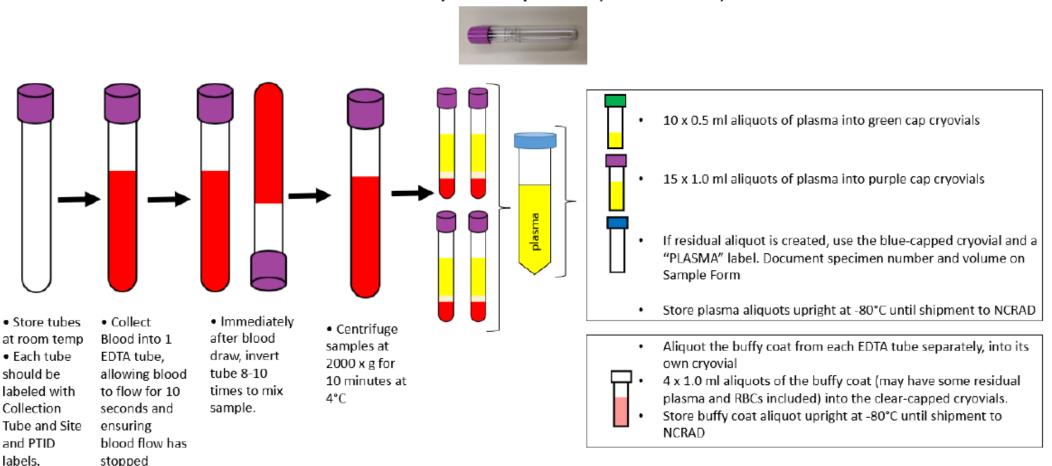
Site:

NAPS2 ID:

4 x Clear cap 2.0mL cryovial. Use the four BUFY COAT labels.



Plasma & Buffy Coat Preparation (EDTA Tube x 4)

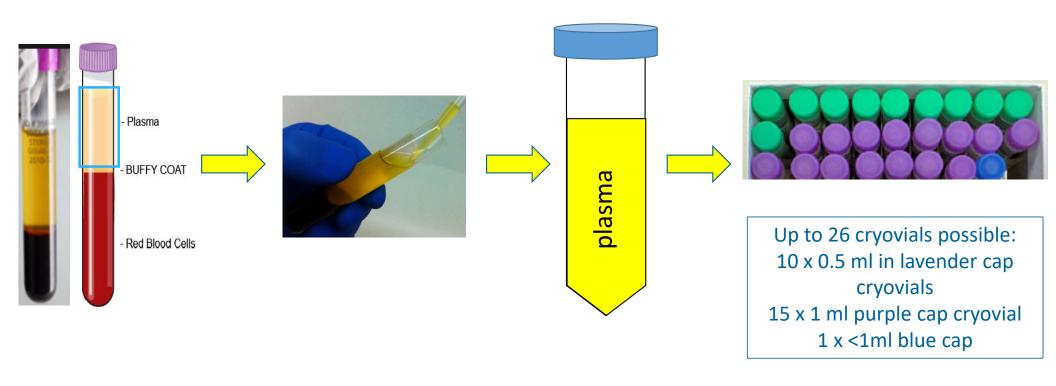


Ensure tubes are not expired prior to blood draw

Spin, aliquot, and freeze all plasma and buffy coat aliquots within 2 hours of collection

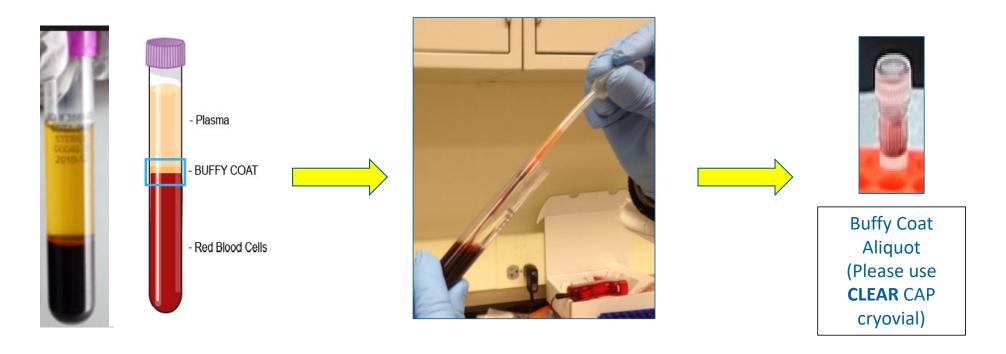
Please be sure to compare the labels on each tube and cryovials to the Biological Sample Form included with each kit

EDTA Tube – Plasma Collection





EDTA Tube – Buffy Coat Collection

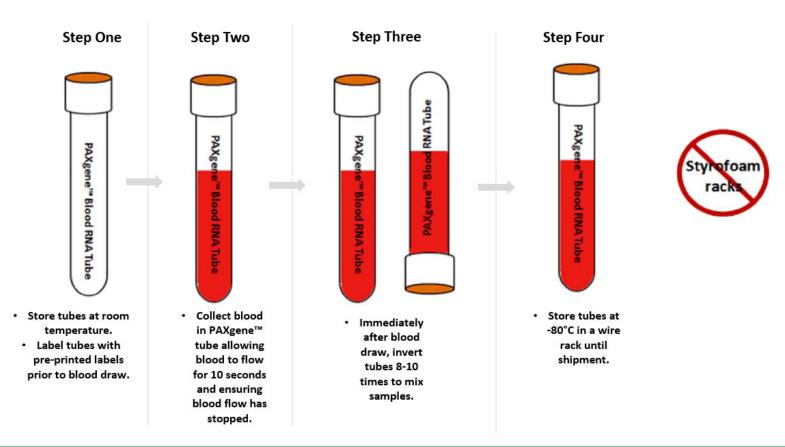


*Sites have the option of storing 1-2 buffy coats per participant per visit locally.



RNA Preparation (2.5ml PAXgene™ Tube)







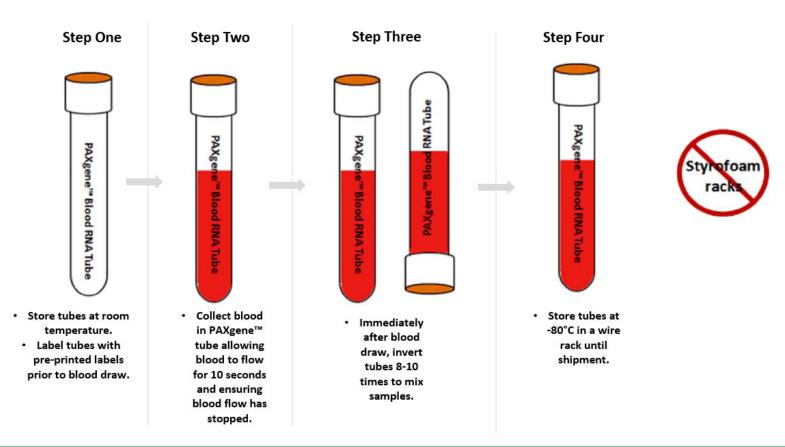
RNA PAXgeneTM Tube Labeling

NAPS2 Site: 0000000040 RNA NAPS2 ID: Kit #: 123456 2500 uL NAPS2 ID: 12345 PAXgeneTM Tube



RNA Preparation (2.5ml PAXgene™ Tube)







CSF Collection and Processing

Important Note

CSF samples should be collected in the morning before breakfast and after an overnight fast when possible. Only water should be permitted past midnight, until lumbar puncture is completed.





CSF Collection and Processing

Prior to CSF Collection:

- 1. Print CSF Sample and Shipment Notification Form.
- 1. Label all tubes accordingly.





CSF Sample and Shipment Notification Form



Please email or fax the form on or prior to the date of shipment

<u>To: Kelley Faber</u>	Email: alzstudy@iu.edu	Phone: 1-800-526-	2839
General Information:			
rom:	Date:		[MM/DD/YYYY
Phone:	Email: _		
Fracking #:			
NAPS2 Participant Study Informatio	on:		
NAPS2 ID:	GUID ID):	
Sex (circle one): Male Fo	emale Year of	Birth:	
Select one: X Case □ Control			
/isit Information:	F		
CSF Collected? Yes No	К	it Barcode	
Gauge needle used for LP (circle one):	22G 24 G		
/isit (circle one): Cycle 1 Cycle 2			
Collection Process: Gravity Method	Aspiration		
checken recession drawley meanou		it must be documented as a protocol v	iolation)
CSF Collection:			
L. Date of Collection:	[MMD[DYYYY]	
2. Time of Collection: 24 hour clock:			
 Date subject last ate:			
CSF Processing:		1	
Fime Spint Started: 24 hour clock:	[HH]	AM1	
Duration of Centrifuge:		nivij	
emperature of Centrifuge:		Centrifuge:	xg
otal Amount of CSF Collected:			
ime Aliquoted:			
Number of 0.5 mL CSF aliquots created	d (green cap):	x 0.5mL	
lumber of 1.0 mL CSF aliquots created	d (orange cap):	_x 1.0mL	
f applicable, volume of residual CSF al	liquot (blue cap):	_mL	
	dual CSF aliquot:		
f applicable, specimen number of resi			

Ver: 02.2024

CSF Draw Labels

Collection & Aliquot Tube Labels - CSF





10 x Green cap 2.0mL cryovials. Use the ten CSF labels with the lowest specimen numbers and quantity = 500uL.





25 x Orange cap 2.0mL cryovials. Use the CSF labels with quantity = 1000uL.



If needed: 1 x Blue cap 2.0mL cryovials. Use the CSF label with the highest specimen number and quantity = 1000uL.





CSF Sample and Shipment Notification Form



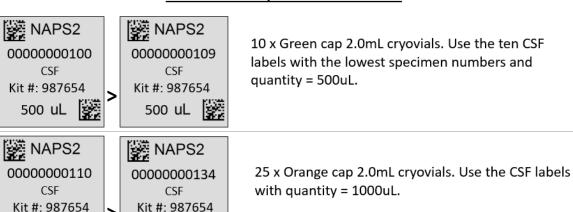
Please email or fax the form on or prior to the date of shipmen

To: Kelley Faber	Email: alzstudy@iu.edu	Phone: 1-800-526-2839
General Information:		
From: Coordinator Name	Date:(05/08/2024 [MM/DD/YYYY]
Phone: 111-111-1111		oordinatorEmail@email.com
Tracking #:		
NAPS2 Participant Study Information:		
NAPS2 ID: NAPS2-00000	GUID ID:	NDAR0000000
Sex (circle one): Male Fema	le Year of Bi	irth:_1900
Select one: X Case □ Control		
Visit Information:	F	
CSF Collected? Yes No	Kit	Barcode
Gauge needle used for LP (circle one):	22G 24 G	
Visit (circle one): Cycle 1 Cycle 2 Cycle		
Collection Process: Gravity Method	Aspiration	
		must be documented as a protocol violation)
CSF Collection:		
1. Date of Collection: <u>05/08/2024</u>	[MMDDY	YYY]
2. Time of Collection: 24 hour clock:		nord.
Date subject last ate: Last time subject ate: 24 hour clock:		****
CSF Processing:	[
Time Spint Started: 24 hour clock:	[ннм	MI.
Duration of Centrifuge:	-	**1
Temperature of Centrifuge:		entrifuge:xg
Total Amount of CSF Collected:	mL	
Time Aliquoted:	[HHMM]	
Number of 0.5 mL CSF aliquots created (gro	een cap): x (0.5mL
Number of 1.0 mL CSF aliquots created (or	ange cap):x	1.0mL
If applicable, volume of residual CSF aliquo	t (blue cap):m	nL
If applicable, specimen number of residual	CSF aliquot:	
Time Frozen:	[HHMM] Storage To	emperature of Freezer:°C
Notes:		

Ver: 02.2024

CSF Draw Labels

Collection & Aliquot Tube Labels - CSF



1000 uL



1000 uL

If needed: 1 x Blue cap 2.0mL cryovials. Use the CSF label with the highest specimen number and quantity = 1000uL.

*There is NOT a provided label for the yellow cap cryovial

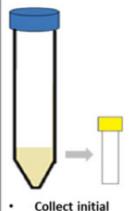


CSF Preparation (20-30 ml)

Step One

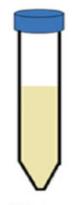
- Label tubes with preprinted subject labels prior to collection.
- Pre-chill all cryovials on wet ice.

Step Two



- 1-2 ml (if bloody, collect CSF until cleared of blood) into 50 ml conical tube.
- If not bloody, transfer 1-2 ml into the yellow-cap cryovial.
- Send to local lab for testing.

Step Three



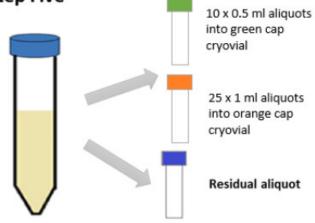
 Collect another 20-30 ml CSF into a new 50 ml sterile conical tube.

Step Four



- Place sample upright on wet ice until centrifugation begins.
- Within 15 minutes of collection, centrifuge sample at 4°C for 10 minutes at 2000xg.

Step Five



- · Aliquot 0.5 ml into 10 x green cryovials.
- Aliquot 1 ml into 25 x orange-cap cryovials.
- If a residual aliquot is created, aliquot into blue-cap cryovial.
 Document specimen number and volume on CSF Sample
 Notification Form.
- Store CSF aliquots at -80°C until shipment.



CSF Collection and Processing







CSF Aliquot tube for local lab (label not provided)





CSF Sample and Shipment Notification Form



Please email or fax the form on or prior to the date of shipment

Visit Information: CSF Collected? Ves No Kit Barcode Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process: Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 05/08/2024 [MMDDYYYY] 2. Time of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	
Phone: 111-111-1111	
Tracking #: NAPS2 Participant Study Information: NAPS2 ID: NAPS2-00000 GUID ID: NDAR0000000 Sex (circle one): Male Female Year of Birth: 1900 Select one: X Case Control Visit Information: CSF Collected: Yes No Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process: Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	/YYYY]
NAPS2 Participant Study Information: NAPS2 ID: NAPS2-00000 GUID ID: NDAR0000000 Sex (circle one): Male Female Year of Birth: 1900 Select one: X Case Control Visit Information: CSF Collected? Yes No Kit Barcode Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 05/08/2024 [MMDDYYY] 2. Time of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	n
NAPS2 ID: NAPS2-00000 Sex (circle one): Male Female Year of Birth: 1900 Select one: Control Visit Information: CSF Collected: Yes No Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process: Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 05/08/2024 [MMDDYYYY] 2. Time of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	
Select one: X Case Control Visit Information: CSF Collected? (ves) No Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 05/08/2024 [MMDDYYYY] 2. Time of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	
CSF Collected? (ves No Kit Barcode Gauge needle used for LP (circle one): 22G 24 G Visit (circle one): Cycle 1 Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8 Collection Process: Gravity Method Aspiration (if aspiration method is used, it must be documented as a protocol violation) CSF Collection: 1. Date of Collection: 05/08/2024 [MMDDYYYY] 2. Time of Collection: 24 hour clock: 0917 [HHMM] 3. Date subject last ate: 05/07/2024 [MMDDYYYY] 4. Last time subject ate: 24 hour clock: 1800 [HHMM] CSF Processing: Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	
1. Date of Collection:	
Time Spint Started: 24 hour clock: 0925 [HHMM] Duration of Centrifuge: 10 minutes Temperature of Centrifuge: 4 °C Rate of Centrifuge: 2000 xg	
Total Amount of CSF Collected: 3UmL Time Aliquoted: 0935 [HHMM]	55
Number of 0.5 mL CSF aliquots created (green cap): x 0.5 mL Number of 1.0 mL CSF aliquots created (orange cap): x 1.0 mL If applicable, volume of residual CSF aliquot (blue cap): mL If applicable, specimen number of residual CSF aliquot:	°C
Time Frozen:°C Notes: Ver: 02.2024	_ ``

Leave tracking number blank for now. Fill this out when you are ready to ship the samples to NCRAD.



Sample Shipping



Frozen Shipping: Guidelines

Ship Monday-Wednesday Only

- Hold packaged samples in a -80°C freezer until pickup.
- Batch Samples together
 - Batch shipping should be performed every 3 months or as a full shipment of specimens accumulates, whichever is sooner.





Sample Shipment Summary

Sample Type	Collection Tube	Processing/ Aliquoting	Tubes to NCRAD	Ship
Whole blood for isolation of Serum	1 x Plain Red- Top Serum Blood Collection Tube (10ml)	1.5 ml serum aliquot per 2.0 cryovial (red cap). Rresidual volume placed in 2.0 cryovial with blue cap.	Up to 4	Frozen
Whole blood for isolation of plasma and buffy coat	4 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)	PLASMA: 10 x 0.5ml aliquots in 2.0ml green cap cryovials. 15 x 1.0ml aliquots in 2.0ml purple cap cryovials. Rresidual volume placed in 2.0ml cryovial with blue cap. BUFFY COAT: Aliquot buffy coat from each (4) EDTA tube into its own 2.0ml clear cap cryovial	Up to 26 Up to 4*	Frozen Frozen
Whole blood for RNA extraction	1x PAXgene™ Blood Collection Tube (2.5 ml)	N/A	1	Frozen
CSF	Sterile Containers (20-30 ml CSF)	10 x 0.5ml CSF in the first 10 green cap cryovials. 25 x 1.0ml CSF in 2.0 orange cap cryovials. Residual volume place in 2.0ml cryovial with blue cap. 1 x 1-2ml CSF for local lab placed in 2.0ml yellow cap cryovial.	Up to 36	Frozen

^{*}Sites may elect to keep 1-2 buffy coats from each visit locally.

Frozen Shipping: Cryoboxes











Place CSF aliquots in one cryobox and the serum/plasma/buffy coat aliquots in a second cryobox. Place frozen PAXgene™ tube in provided bubble wrap tube sleeve, seal, and place in biohazard bag with the cryobox containing serum/plasma/buffy coat. Seal biohazard bag according to the instructions on the bag. Be sure to adhere a Kit Number Label on the lid of each cryobox.

Place only ONE cryobox per Biohazard bag. PAXgene™ should be placed in the bag with the cryobox containing serum/plasma/buffy coat samples.



Frozen Shipping: Dry Ice Requirements

 Fully cover the cryoboxes with about 2 inches of dry ice in the provided shipper.



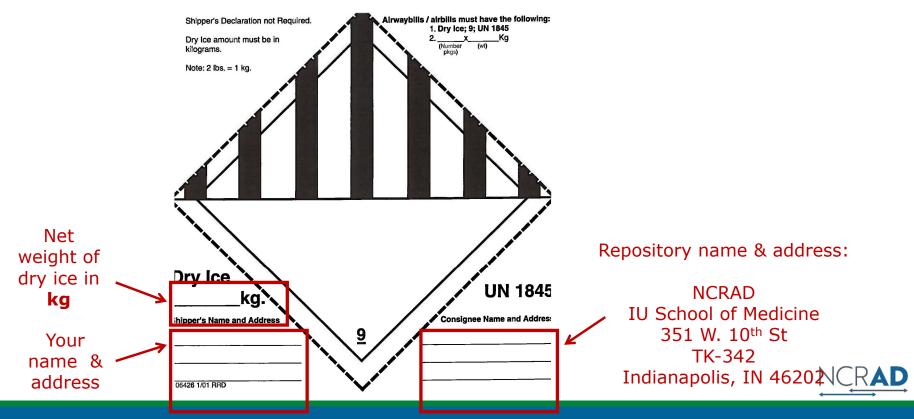






Frozen Shipping: Dry Ice Requirements

Class 9 Dry Ice label should not be covered with other stickers and must be completed, or the shipping carrier will reject/return your package!



Shipping Frozen Samples

- Schedule FedEx
- Send Sample and Shipment Notification Forms to IU
 <u>ahead of shipment</u>
 - Email: alzstudy@iu.edu
 - Please also send notification form to Jennifer McLeland for tracking purposes: mclelandj@wustl.edu



Shipping Regulations and Training

PLEASE NOTE:

- All study personnel responsible for shipping should be certified in biospecimen shipping.
- It is the responsibility of each site to ensure that the appropriate training has been provided and conducted in regards to IATA shipping.

Please see following slides for resources.



Federal Regulations/Training

- Sites are responsible for ensuring proper training is obtained.
- Current federal and international regulations require anyone directly involved with the shipment of potentially infectious materials and other regulated biological materials (including biological specimens and cultures) be properly trained on pertinent shipping requirements.
 - International Air Transport Association (IATA) Training

DGI Training Center 800-338-2291

DGItraining.com

Provides IATA Certified Air Seminars and online courses

IATA Training Schools

North America 1(514)390-6726

Europe, Africa & Middle East 41 (22) 799 2751

Asia, Australia & the Pacific 65 239 7232

www.iata.org

Training schools located in 30 countries

Saf-T Pak Inc.

www.saftpak.com

Provides dangerous goods training via CD or on-site instruction for North America and Europe



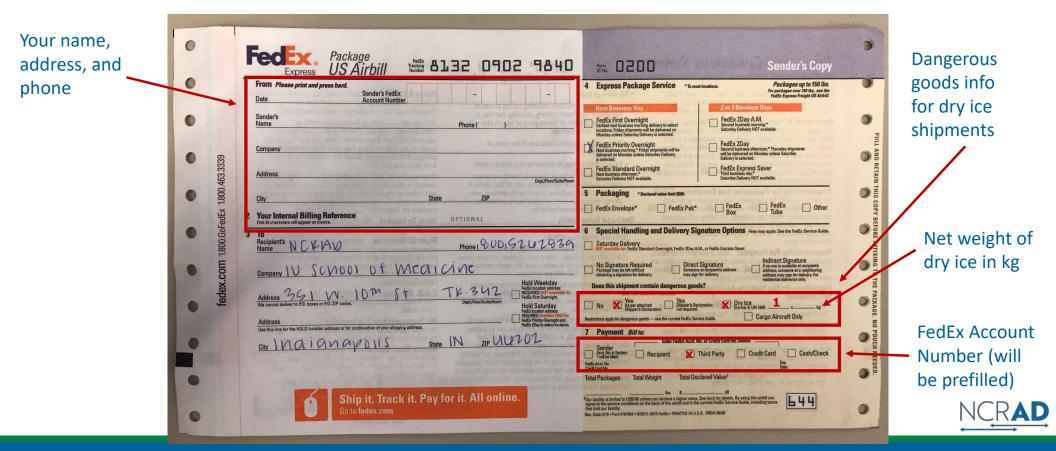
UN3373 Biological Substance, Category B Training

- Biological Substance, Category B are specimens being transported for "investigational purposes"
- Recommend: investigator sites document training of category B/dangerous goods
- We recommend establishing a record of your staff's training and date of instruction
- The training records must be made available upon request by the appropriate national authority
 - Additional information from the Department of Transportation (DOT) can be found on their website http://hazmat.dot.gov



Frozen Shipping: FedEx Airbill

Airbill must be completed or the shipping carrier will reject/return your package!



Sample shipments to NCRAD will be paid via the NAPS2 grant at Washington University

Biological Sample and Shipment Notification Forms

- A copy of the sample form must be emailed to NCRAD prior to the date of sample arrival.
- Please include sample forms in all shipments of frozen samples.
- Email: alzstudy@iu.edu



Biological Sample and Shipment Notification Forms



Biological Sample and Shipment Notification Form: Blood

- Blood Collection for:
 - Whole Blood (RNA)
 - Serum
 - Plasma
 - Buffy Coat
- Send by E-mail prior to shipment, and include a copy in each shipment
- REMINDER: PLEASE make sure this form is filled out completely by the person collecting the samples AND the person processing.



Biological Sample and Shipment Notification Form



Please email or fax the form on or prior to the date of shipment

<u>To: Kelley Faber</u>	Email: alzstudy	∕@iu.edu	Phone: 1-800-526-28	39
General Information:				
From:	Date:		Kit Barcode	
Phone:	Email:			į
NAPS2 ID:	GUID ID:	i		!
Sex: M F	Year of Birth:			
Visit (circle one): Cycle 1 Cycle 2 Cycle	e 3 Cycle 4 Cycle 5 Cy	ycle 6 Cycle 7 C	ycle 8	
Select one: □ Case □ Control				
Tracking #:	CSF Collected? Yes	No		
Blood Collection: Blood Collec	ted (circle one): Yes	No		
1. Date Drawn:	[MMDDYYYY]	2. Time of Dr	aw: 24 hour clock:	[HHMM]
3. Date subject last ate:	[MMDDYYYY]	4. Last time s	ubject ate: 24 hour clock:	[HHMM]
Blood Processing:				
	RNA (PA)	Kgene Tube)		
Total volume of blood draw	n into a 1 x 2.5mL PAXge	ne RNA tube:	mL	
Date PAXgene RNA tube pla	iced in -80°C freezer:			
Time PAXgene RNA tube pla	iced in -80°C freezer: 24 h	hour clock:	[HHMM]	
	Serum (Re	ed Top Tube)		
Time spin started: 24 hour clock:			entrifuge:	minutes
Temp of centrifuge:°C			ifuge:	
Original volume drawn (1x10mL Serum t	tube): mL			_
Time aliquoted: [HHMN	/ 1]	Number of 1	.5mL serum aliquots created:	x 1.5mL
If applicable, volume of residual serum a	aliquot (less than 1.5 mL)) (Blue cap):	mL	
lf applicable, specimen number of residu	ual serum aliquot (Last fo	our digits):		
Time aliquots placed in freezer: 24 hour	clock: [HHN	MM] Stora	ge temperature of freezer:	°c
Pla	asma & Buffy Coat (EDTA	(Lavender Top)	Tube - 10mL)	
Time spin started: 24 hour clock:	[HHMM]	Duration of o	entrifuge:	minutes
Temp of centrifuge:°	C	Rate of centr	ifuge:	x g
Original volume drawn (4x10mL EDTA tu	ube):			
EDTA #1: mL	mL EDTA #3:	mL EDTA	#4: mL Total Volum	ne: mL
Time aliquoted: [HHM	M]			
<u>Plasma</u>				
Number of 0.5mL plasma aliquots create	ed (green cap):	x 0.5mL		
Number of 1.0mL plasma aliquots create	ed (purple cap):	x 1.0ml	<u>l</u>	
If applicable, volume of residual serum a			_ mL	
If applicable, specimen number of residu				
Time aliquots placed in freezer: 24 hour	clock:	[HHMM]		
Buffy Coat				
Buffy Coat aliquot #1 (last four digits): _			iquot #2 (last four digits):	
Buffy Coat aliquot #1 Volume:	mL	Buffy Coat al	iquot #2 Volume:	mL
Buffy Coat aliquot #3 (last four digits): _		Buffy Coat al	iquot #4 (last four digits):	
Buffy Coat aliquot #3 Volume:		Buffy Coat al	iquot #4 Volume:	mL
Time aliquots placed in freezer: 24 hour	clock:	[HHMM]	Storage temperature of freez	er: °C
Notes:				

Ver: 02.2024

Biological Sample and Shipment Notification Form: CSF

- Send by E-mail prior to shipment, and include a copy in each shipment
- REMINDER: PLEASE make sure this form is filled out completely by the person collecting the samples AND the person processing.



CSF Sample and Shipment Notification Form



Please email or fax the form on or prior to the date of shipment

<u>To: Kelley Faber</u>	Email: alzstudy@	<u>∂iu.edu</u>	Phone: 1-800-526-283	<u>19</u>
General Information:				
From:		Date:		_[MM/DD/YYYY]
Phone:		Email:		_
Tracking #:				
NAPS2 Participant Study Informat	tion:			
NAPS2 ID:		GUID ID:		
Sex (circle one): Male	Female	Year of Birth:_		_
Select one: 🗆 Case 🗆 Control				
Visit Information:		ī		
CSF Collected? Yes No		Kit Barc	ode	
Gauge needle used for LP (circle one	e): 22G 24 G			
Visit (circle one): Cycle 1 Cycle 2	Cycle 3 Cycle 4 Cy			
Collection Process: Gravity Method	d Aspiration			
concedent rocess. Gravity wiedness		ethod is used, it must b	e documented as a protocol violat	tion)
CSF Collection:				
1. Date of Collection:		[MMDDYYYY]		
2. Time of Collection: 24 hour clock:				
3. Date subject last ate:		[MMDDYYYY]		
		[MMDDYYYY]		
3. Date subject last ate: 4. Last time subject ate: 24 hour cloc	ck:	[MMDDYYYY] [HHMM]		
3. Date subject last ate: 4. Last time subject ate: 24 hour cloc CSF Processing:	ck:	[MMDDYYYY] [HHMM]		
3. Date subject last ate: 4. Last time subject ate: 24 hour cloo CSF Processing: Time Spint Started: 24 hour clock:	ck: minutes	[HHMM]		xg
3. Date subject last ate: 4. Last time subject ate: 24 hour cloo CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge:	ck: minutes	[MMDDYYYY] _[HHMM][HHMM] Rate of Centrif		_xg
3. Date subject last ate: 4. Last time subject ate: 24 hour clock CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Temperature of Centrifuge:	ck:minutes°Cml	[MMDDYYYY] _[HHMM][HHMM] Rate of Centrif		_xg
3. Date subject last ate: 4. Last time subject ate: 24 hour clock CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Temperature of Centrifuge: Total Amount of CSF Collected:	minutes°Cml	[MMDDYYYY] [HHMM] [HHMM] Rate of Centrif	iuge:	xg
3. Date subject last ate: 4. Last time subject ate: 24 hour clock CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Temperature of Centrifuge: Total Amount of CSF Collected: Time Aliquoted:	ck: minutes °Cmlmlted (green cap):	[MMDDYYYY] [HHMM] [HHMM] Rate of Centrif	iuge:L	xg
3. Date subject last ate: 4. Last time subject ate: 24 hour clock CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Temperature of Centrifuge: Total Amount of CSF Collected: Time Aliquoted: Number of 0.5 mL CSF aliquots creat	minutesmCml[HHMM] ted (green cap):ted (orange cap):	[MMDDYYYY] [HHMM] Rate of Centrif x 0.5m x 1.0m	iuge:L	xg
3. Date subject last ate:	minutes°CmL[HHMM] ted (green cap):ted (orange cap):taliquot (blue cap):	[MMDDYYYY] _[HHMM] Rate of Centrifx 0.5mx 1.0mmL	iuge:L	_xg

Ver: 02.2024



CSF Sample and Shipment Notification Form



Please email or fax the form on or prior to the date of shipment

	Email: alzstudy@iu.edu	Phone: 1-800-526-2839	
General Information:			
From: Coordinator Name	Date:_	05/08/2024 _{[MN}	M/DD/YYYY]
Phone: 111-111-1111	_ Email:	CoordinatorEmail@email	.com
Tracking #: <u>ABCDE123456789</u>)	\longrightarrow	
NAPS2 Participant Study Information	:		
NAPS2 ID: NAPS2-00000	GUID I	D: NDAR000000	
Sex (circle one): Male Fer	male Year of	Birth: 1900	
Select one: X Case □ Control			
Visit Information:	ŗ		
CSF Collected? Yes No		(it Barcode	
Gauge needle used for LP (circle one):	22G 24 G		
Visit (circle one): Cycle 1 Cycle 2 Cy	ycle 3 Cycle 4 Cycle 5 C	ycle 6 Cycle 7 Cycle 8	
Collection Process: Gravity Method	Aspiration		
	•	, it must be documented as a protocol violation)	
CSF Collection:			
	\ A		
1. Date of Collection:05/08/202		•	
1. Date of Collection: $05/08/202$ 2. Time of Collection: 24 hour clock: 0	917 [ннмм	1	
1. Date of Collection:05/08/202	917 [HHMM 2024 [MMD	I] DYYYY]	
1. Date of Collection:05/08/202 2. Time of Collection: 24 hour clock:0 3. Date subject last ate:05/07/2	917 [HHMM 2024 [MMD	I] DYYYY]	
1. Date of Collection:05/08/202 2. Time of Collection: 24 hour clock: 05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing:	917 [HHMM 2024 [MMD] DYYYY]]]	
1. Date of Collection: 05/08/202 2. Time of Collection: 24 hour clock: 0 3. Date subject last ate: 05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing: Time Spint Started: 24 hour clock:	917 [HHMN 2024 [MMD 1800 [HHMN	 DYYYY] 	
1. Date of Collection: 05/08/202 2. Time of Collection: 24 hour clock: 0 3. Date subject last ate: 05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing: Time Spint Started: 24 hour clock:	917 [HHMN 2024 [MMD 1800 [HHMN 0925 [HH	MM]	xg
1. Date of Collection: 05/08/202 2. Time of Collection: 24 hour clock: 0 3. Date subject last ate: 05/07/2 4. Last time subject ate: 24 hour clock:	917 [HHMN 2024 [MMD 1800 [HHMN 2025 [HH 200	MM]	xg
1. Date of Collection: 05/08/202 2. Time of Collection: 24 hour clock: 0 3. Date subject last ate: 05/07/2 4. Last time subject ate: 24 hour clock:	917 [HHMN 2024 [MMD 1800 [HHMN 2025 [HH 200	MM]	xg
1. Date of Collection:05/08/202 2. Time of Collection: 24 hour clock:0 3. Date subject last ate:05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Total Amount of CSF Collected: Time Aliquoted:0935 Number of 0.5 mL CSF aliquots created	917 [HHMM] 2024 [MMD 1800 [HHMM] 0925 [HHminutes 4 °C Rate of 30mL[HHMM] (green cap): 10	DYYYY] MM] Centrifuge: 2000	xg
1. Date of Collection:05/08/202 2. Time of Collection: 24 hour clock:0 3. Date subject last ate:05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Temperature of Centrifuge: Total Amount of CSF Collected: Time Aliquoted:0935	917 [HHMM] 2024 [MMD 1800 [HHMM] 0925 [HHminutes 4 °C Rate of 30mL[HHMM] (green cap): 10	DYYYY] MM] Centrifuge: 2000	xg
1. Date of Collection:05/08/202 2. Time of Collection: 24 hour clock:0 3. Date subject last ate:05/07/2 4. Last time subject ate: 24 hour clock: CSF Processing: Time Spint Started: 24 hour clock: Duration of Centrifuge: Total Amount of CSF Collected: Time Aliquoted:0935 Number of 0.5 mL CSF aliquots created	917 [HHMN 2024 [MMD 1800 [HHMN 2025 [HH MN]	DYYYY]	xg
1. Date of Collection: 05/08/202 2. Time of Collection: 24 hour clock: 0 3. Date subject last ate: 05/07/2 4. Last time subject ate: 24 hour clock:	917 [HHMM] 2024 [MMD 1800 [HHMM] 0925 [HHminutes 4 °C Rate of 30 mL[HHMM] (green cap): 10 (orange cap): 25 quot (blue cap):	DYYYY]	xg

Ver: 02.2024

NCRAD Website





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Alzheimer's Disease and Related Demen

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COORDINATE STUDIES V

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Study Resources

4RTNI-2

90+ STUDY

ABC-DS

ACAD

ACE

ADCFB

ADNI-3,4

AGMP

ALLFTD

APOE

BBBSR

Study Resources (cont.)

BENFOTEAM

BEYONDD

CADASIL

CLARITI

DIAN

DMDC

HALS

OXICU K76

HEAD

LEADS

MCS

Study Resources (cont.)

NIA-AD FBS

NAPS2

PACT

PATH

PSDC

UW RETINAL

VERI-T

VIVA-MIND

WRAP



NCRAD Website: NAPS2 Active Study Page

https://ncrad.org/coordinate
-studies/naps2

Training videos, manual of procedures, and sample forms are available for reference on the NAPS2 Active Study Page.

A / Coordinate Studies / NAPS2

NAPS2 ACTIVE STUDY PAGE

Welcome NAPS2 Study staff, coordinators, and PI's.

This section encompasses study specific tools and videos for your reference. If you have any questions, comments, or new ideas please contact NCRAD by **email** or phone **1-800-526-2839** or directly at **317-278-8413**.

SPECIMEN COLLECTION OVERVIEW

	VISIT 1	VISIT 2	VISIT 3	VISIT 4	VISIT 5
Serum	~	~	~	~	~
Plasma	~	✓	~	✓	~
Buffy Coat*	~	✓	~	~	~
RNA	~	✓	~	~	~
CSF*	~	✓	~	~	~

^{*} CSF collection optional after visit 1

Study Resources

NCRAD Website: Friday Blood Draws

https://ncrad.org/co ntact/friday-blooddraws

WHAT TO DO FOR FRIDAY BLOOD DRAWS

NCRAD is not open for business on Saturday or Sunday; therefore, we ask that no samples be shipped on a Friday. We cannot guarantee the conditions in which the samples will be held by the shipping courier over the weekend. It is important to have plans in place for each type of sample to be held over the weekend prior to shipping. Please refer to the table below for how to handle samples drawn on a Friday.

When possible, please only ship frozen samples on Monday-Wednesday. There is always the potential for an unexpected shipping courier delay and by shipping Monday through Wednesday there should be enough time to receive the samples before the weekend

SAMPLE TYPE	TUBE TYPE	PRODUCT	SHIPMENT METHOD	FRIDAY DRAW INSTRUCTIONS
Whole Blood	Sodium Heparin	PBMC	Ambient	DO NOT DRAW ON FRIDAY. Must be drawn on Monday – Thursday.
Whole Blood	EDTA Tube	DNA Only	Ambient	Do NOT refrigerate. Please keep sample at room temperature until the specimen can be shipped via next day delivery methods the following Monday.
Whole Blood	EDTA Tube	DNA Only	Frozen	Whole blood in EDTA may be frozen in a -80°C freezer within 5 days of collection and shipped frozen on dry ice to NCRAD to remain within the stability window for DNA extraction.
Whole Blood	ACD Solution A Tube	Lymphoblastoid Cell Lines	Ambient	Do NOT refrigerate. Please keep sample at room temperature until the specimen can be shipped via next day delivery methods the following Monday.
Whole Blood	PAXgene™ Tube	RNA	Frozen	The PAXgene™ Tube must be placed on a wire rack and stored in a -80°C freezer. The sample may then be packaged with dry ice pellets and shipped as the study <u>MOP</u> dictates.
Cerebral Spinal Fluid	Polypropylene Aliquot Tubes	CSF	Frozen	CSF must be processed and aliquoted locally the day of collection. Once aliquoted, samples are stored upright in a -80°C freezer until shipment. The aliquots may then be packed with dry ice pellets and shipped as the study MOP dictates.
	Polvnronvlene			Plasma must be processed and aliquoted locally the day of collection. Once aliquoted, samples are stored upright in a -80°C freezer before shipment. The

♠ / Contact / Holiday Closures

NCRAD Website: Holiday Closures

https://ncrad.org/contact/holiday-closures

HOLIDAY CLOSURES

DATE	HOLIDAY
January 1	New Year's Day
3 rd Monday in January	Martin Luther King, Jr Day
4 th Monday in May	Memorial Day
June 19	Juneteenth (observed)
July 4	Independence Day (observed)
1 st Monday in September	Labor Day
4 th Thursday in November	Thanksgiving
4 th Friday in November	Friday after Thanksgiving
December 25	Christmas

Please Note: between December 24th and January 2nd, Indiana University will be open Monday through Friday for essential operations ONLY and will re-open for normal operations on January 2nd. If at all possible, biological specimens for submission to Indiana University should NOT be collected and shipped to Indiana University after the second week of December. Should it be necessary to ship blood samples for DNA extraction to Indiana University during this period, please contact the Indiana University staff before December 20th by e-mailing alzstudy@iu.edu, so that they can arrange to have staff available to process incoming samples.

Please Note: Courier services may observe a different set of holidays. Please be sure to verify shipping dates with your courier prior to any holiday.

Contact Information

Questions?

Please contact NCRAD Coordinators at:

• Phone: 1-800-526-2839 or 317-278-1133

• E-mail: alzstudy@iu.edu or agericks@iu.edu

• Website: www.ncrad.org

