

North American Prodromal Synucleinopathy (NAPS2)

&

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

### **Biofluids Collection Training Slides**



Alzheimer's Disease and Related Dementias

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### **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



## **Training Overview**

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



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## 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
- 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



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## **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	X	X	X	X	X	X	X
Buffy Coat	Χ	X	X	X	X	X	Х	X
RNA	Χ	X	X	X	Х	X	X	Х
CSF*	Χ	Х	Х	Χ	Х	Х	Х	Χ

\*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.



# Kit Request Module

www.kits.iu.edu/NAPS2



/

Welcome NAPS2 Stu This section encompa	TIVE STUDY I	and PI's. and videos for your ref		questions, comments,	or new ideas please contact	
SPECIMEN COL Serum Plasma Buffy Coat* RNA CSF*	VISIT 1  V  V  In all after visit 1	VISIT 2	VISIT 3	VISIT 4	VISIT 5	
link will direct yo and staff may re related sites will blood-based san	i below link to access the Kit i u to a REDCap database whe quest kits, individual supplies use the same link for orderin, nples and for CSF. Please allo o be compiled and delivered to	Request Module. This re study coordinators s, and/or labels. Study g supplies related to w a total of three weeks	Please use the bi specimen patient respectfully ask! shipment. If you have it emailed a	utomatically to us. We also py of each sample form.	o collect information on , and processing. We e <b>emailed</b> prior to website, you can choose to	NCRAD

### **Kit Request Module**

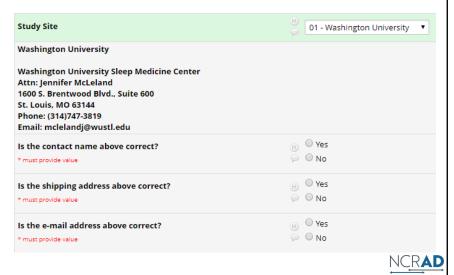
- Kits and individual supplies available to order:
  - Blood Collection Kit
  - CSF Kit
  - LP 22 Gauge Kit
  - LP 24 Gauge Kit
  - Blood Supplemental Kit
  - CSF Supplemental Kit
  - Frozen Shipping Kit
  - Individual Supplies



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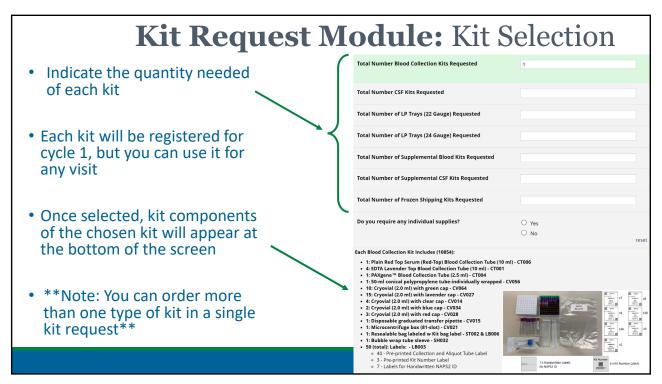
## **Kit Request Module**

- 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.



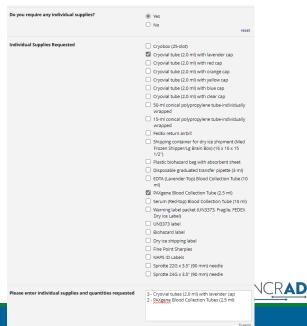
### **Kit Request Module** Is the contact name above correct? 1. If any of the \* must provide value O No information is incorrect, please Contact New Name indicate so by \* must provide value selecting "No." Is the shipping address above correct? O Yes 2. A text box will **New Shipping Address** appear. \* must provide value Is the e-mail address above correct? O Yes 3. Provide the correct No information here. **New E-mail Address** \* must provide value

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## 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.



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## **Kit Request Module**

- 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: <a href="www.kits.iu.edu/NAPS2">www.kits.iu.edu/NAPS2</a>
- Allow around 3 weeks for your order to be processed and shipped.

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# Specimen Labels



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## **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





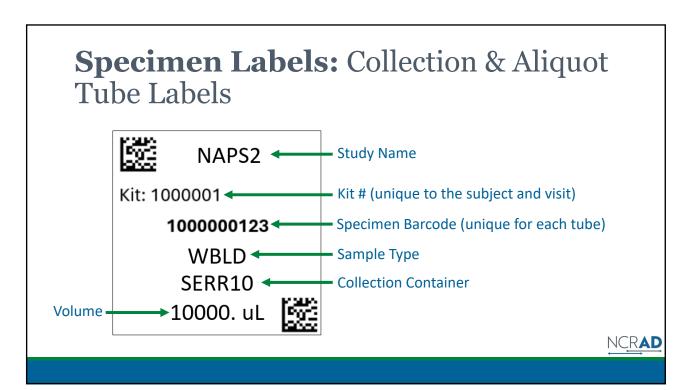
17

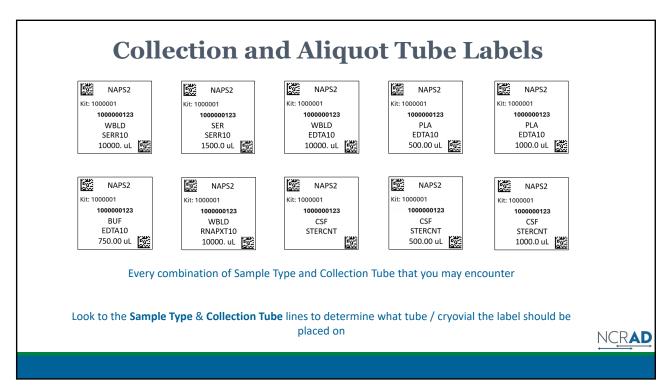
## Specimen Labels: NAPS ID Labels

- 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 Type & Collection Tube Guide**

### **SPECIMEN TYPE ABBREVIATIONS**

WBLD - Whole Blood
SER - Serum
PLA - Plasma
BUF - Buffy Coat
CSF - Cerebrospinal Fluid

### **COLLECTION TUBE ABBREVIATIONS**

SERR10 10mL Serum Red-Top Tube
EDTA10 10mL EDTA Lavender-Top Tube
RNAPXT10 10mL RNA PAXGene Tube
STERCNT Sterile Container (for CSF)



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# **Specimen Labels:** Blood Collection Tubes

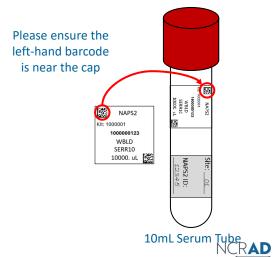
- All Serum, EDTA, and PAXGene™ collection tubes will have two labels:
  - Collection Tube Label
  - Site and NAPS2 ID Label

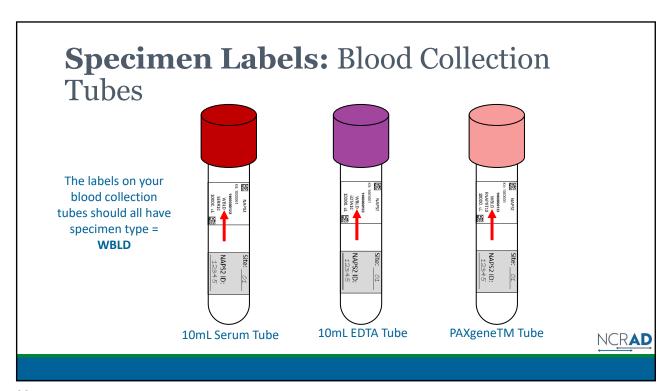
### Label 1:

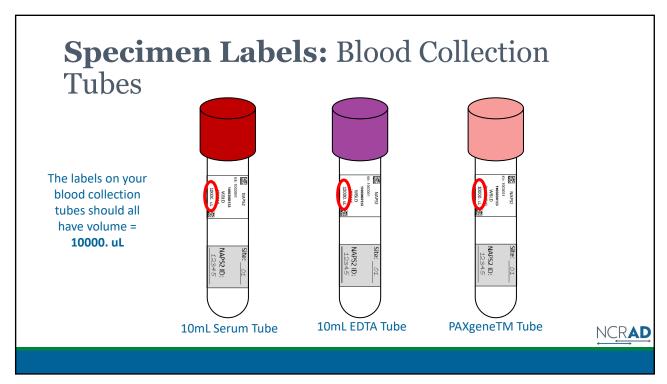


### Label 2:

NAPS2 ID:







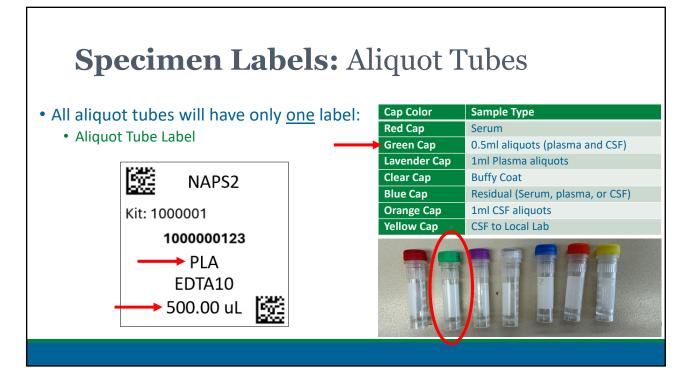
## Specimen Labels: Aliquot Tubes

- All aliquot tubes will have only one label:
  - Aliquot Tube Label



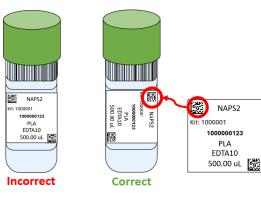
Cap Color	Sample Type			
Red Cap	Serum			
Green Cap	0.5ml aliquots (plasma and CSF)			
Lavender Cap	1ml Plasma aliquots			
Clear Cap	Buffy Coat			
Blue Cap	Residual (Serum, plasma, or CSF)			
Orange Cap	1ml CSF aliquots			
Yellow Cap	CSF to Local Lab			

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# **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.



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## 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.



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# 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:
- 1. Centrifuge capable of ≥2000 xg with refrigeration to 4°C
- 2. -80°C Freezer
- 3. Wet Ice Bucket

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# **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	Contract of Contract and Contra
2	EDTA (Lavender-Top) Tube (10 ml)	4	15 15 15 15 15 15 15 15 15 15 15 15 15 1
3	PAXgene™ Blood Collection Tube (2.5 ml)	1	(

# Blood Collection & Processing: Aliquot Cryovials & Cap Colors

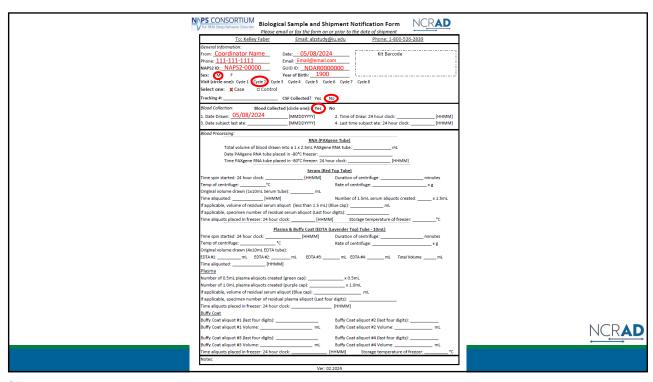
Cap Color	Sample Type
Red Cap	Serum
Green Cap	0.5ml aliquots (plasma and CSF)
Lavender Cap	1ml Plasma aliquots
Clear Cap	Buffy Coat
Blue Cap	Residual (Serum, plasma, or CSF)
Orange Cap	1ml CSF aliquots
Yellow Cap	CSF to Local Lab

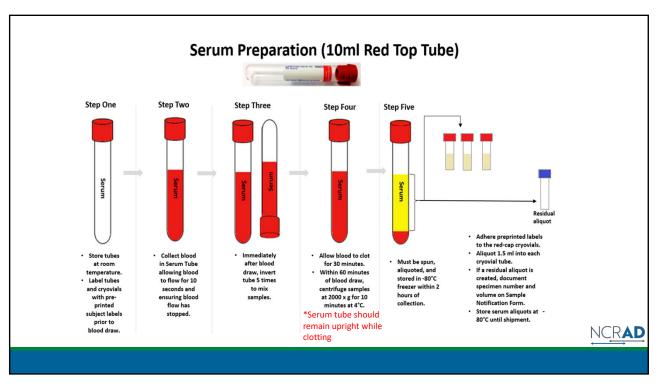


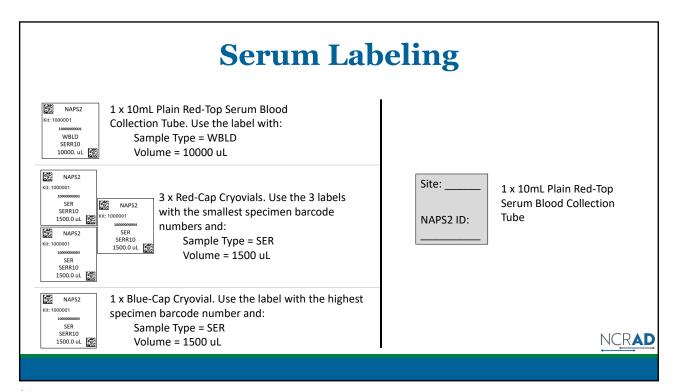


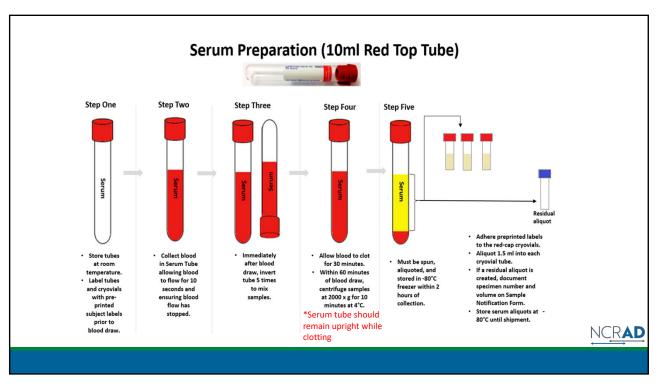
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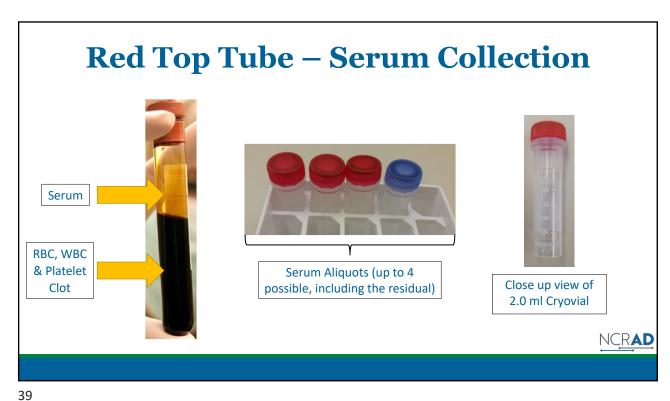
NAPS CONSORTIUM	
For REM Sleep Behavior Disorder Biological Sample and Snipment Notification Form	
Please email or fax the form on or prior to the date of shipment	
To: Kelley Faber Email: alzstudy@iu.edu Phone: 1-800-526-2839	
General Information:	
From:	
Phone:	
NAPS2 ID: GUID ID:	
Sex: M F Year of Birth:	
Visit (circle one): Cycle 2 Cycle 3 Cycle 4 Cycle 5 Cycle 6 Cycle 7 Cycle 8	
Select one:  Case Control	
Tracking #: CSF Collected? Yes No	
Bload Collection: Bload Collected (circle one): Yes No	
1. Date Drawn: [MMDDYYY] 2. Time of Draw: 24 hour clock: [HHMM]	
3. Date subject last ate: [MMDDYYY] 4. Last time subject ate: 24 hour clock: [HHMM]	
Blood Processing:	
RNA (PAXgene Tube)	
Total volume of blood drawn into a 1 x 2.5mL PAXgene RNA tube:mL	
Date PAXgene RNA tube placed in -80°C freezer:	
Time PAXgene RNA tube placed in -80°C freezer: 24 hour clock: [HHMM]	
Serum (Red Top Tube)	
Time spin started: 24 hour clock: [HHMM]	
Temp of centrifuge: *C Rate of centrifuge: x g	
Original volume drawn (1x10mL Serum tube):mL	
Time aliquoted:[HHMM] Number of 1.5mL serum aliquots created:x 1.5mL	
If applicable, volume of residual serum aliquot (less than 1.5 mL) (Blue cap): mL	
If applicable, specimen number of residual serum aliquot (Last four digits):	
Time aliquots placed in freezer: 24 hour clock:[HHMM] Storage 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: *C Rate of centrifuge: x g	
Original volume drawn (4x10mL EDTA tube):	
EDTA #1:mL EDTA #2:mL EDTA #4:mL Total Volume:mL	
Time aliquoted:[HHMM]	
<u>Plasma</u>	
Number of 0.5mL plasma aliquots created (green cap):x 0.5mL	
Number of 1.0mL plasma aliquots created (purple cap):x1.0mL	
If applicable, volume of residual serum aliquot (Blue cap): mL	
If applicable, specimen number of residual plasma aliquot (Last four digits):	
Time aliquots placed in freezer: 24 hour clock:	
Buffy Cost	
Buffy Cost aliquot \$1 (last four digits); Buffy Cost aliquot \$2 (last four digits): Buffy Cost aliquot \$1 Volume: mL Buffy Cost aliquot \$2 Volume: mL	
	NCRAD
Buffy Coat allquot #3 (last four digits): Buffy Coat allquot #4 (last four digits):	
Buffy Coat aliquot #3 Volume: mL Buffy Coat aliquot #4 Volume: mL	
Time aliquots placed in freezer: 24 hour clock: [HHMM] Storage temperature of freezer:*C	
Notes:	
Ver. 02.2024	

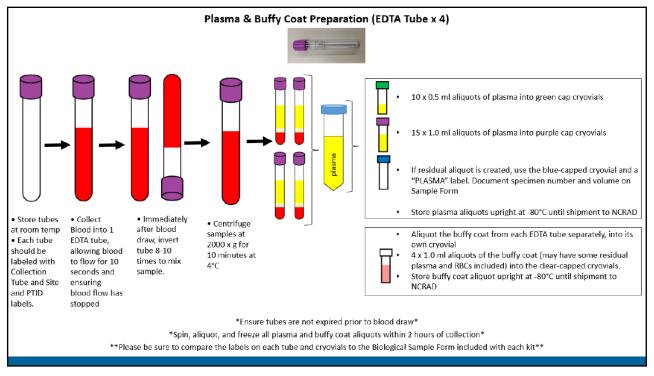


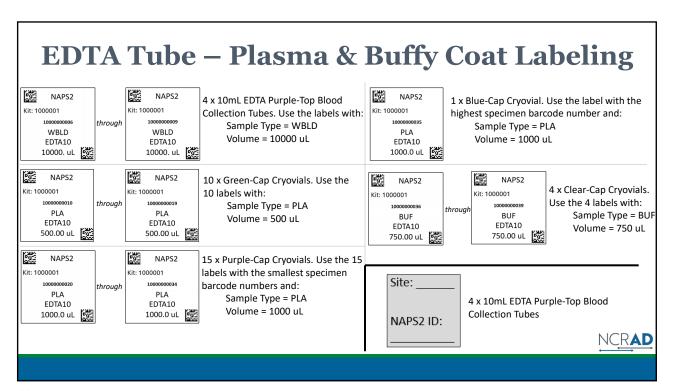


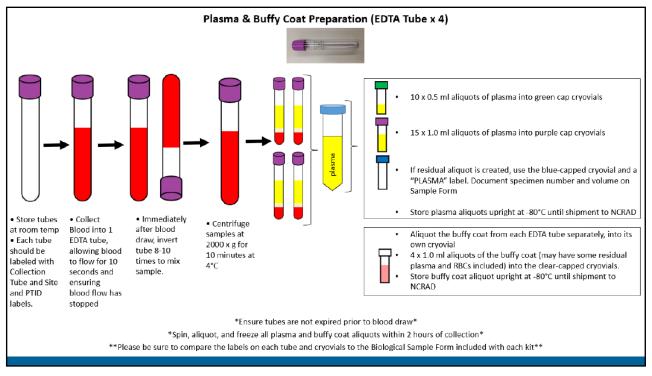


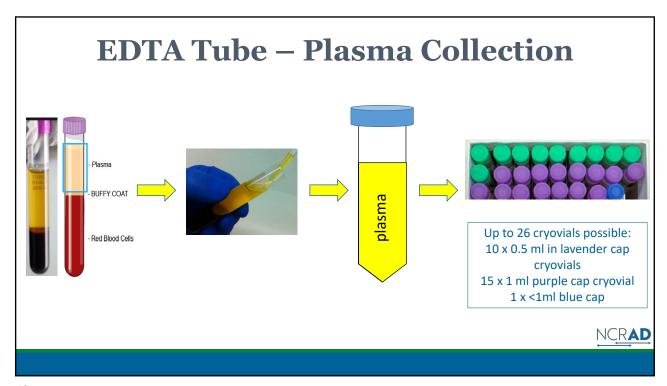


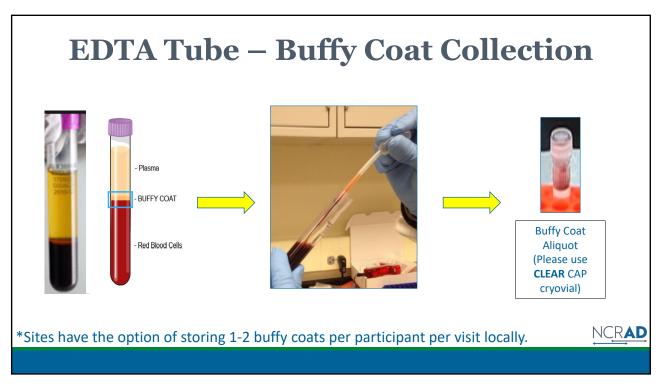


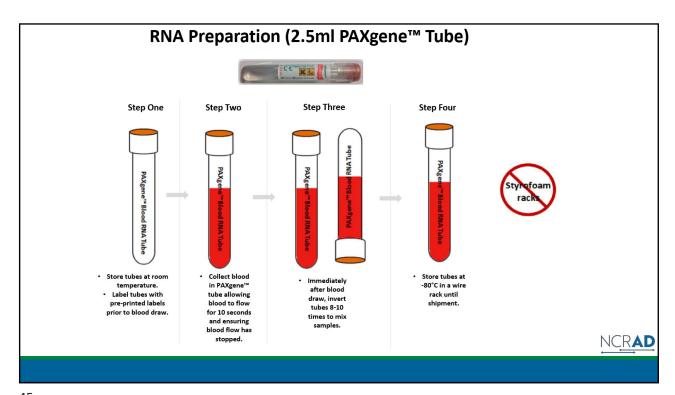


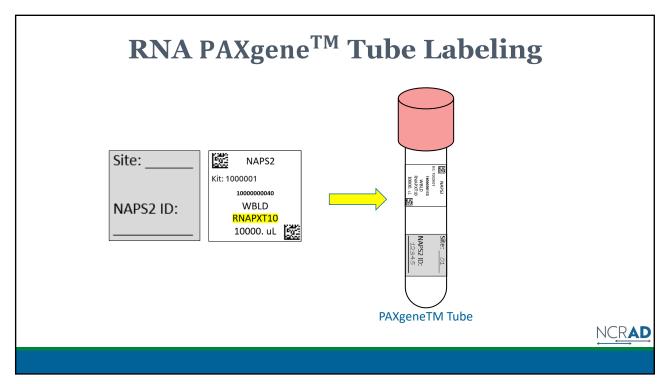


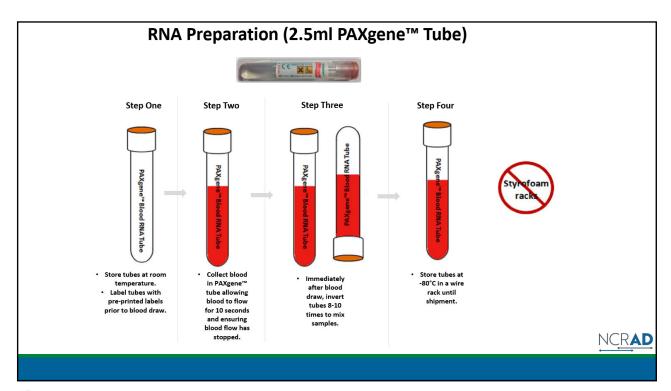














## **CSF Collection and Processing**

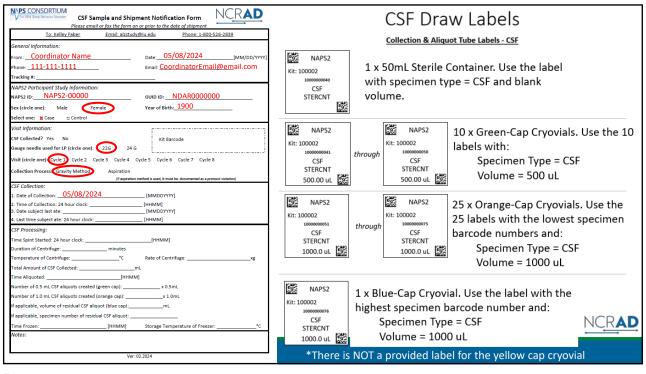
### **Prior to CSF Collection:**

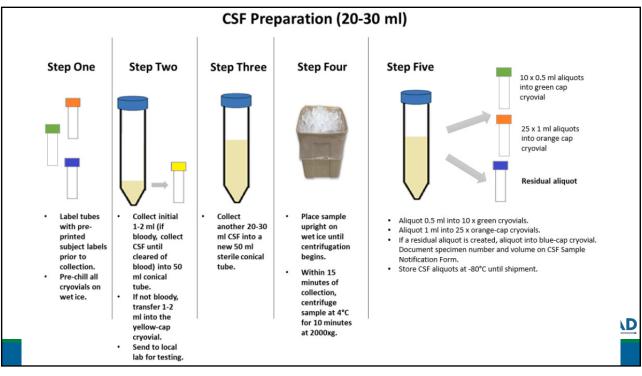
- 1. Print CSF Sample and Shipment Notification Form.
- 1. Label all tubes accordingly.



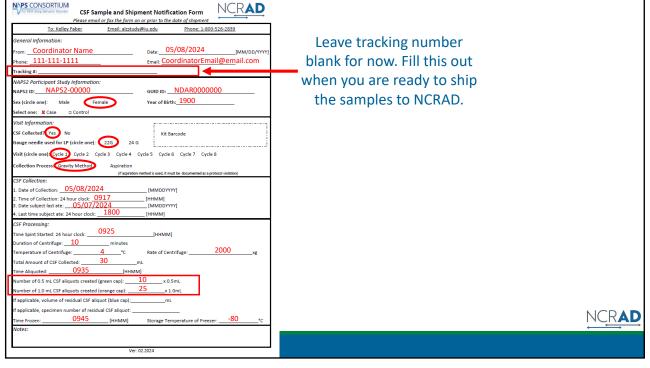
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CSF Sample and Shipment Notification Form   Please email or far the form on or prior to the date of shipment	CSF Draw Labels  Collection & Aliquot Tube Labels - CSF  NAPS2 Kit: 100002 10000000000000000000000000000000
Visit Information:  CSF Collected? Yes No  Gauge needle used for LP (circle one): 226 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 appration method is used, it must be documented as a protocol violation)  CSF Collection: [MMDDYYYY]  1. Date of Collection: [MMDDYYYY]  2. Time of Collection: 24 hour clock: [HMMM]  3. Date subject last ate: [MMDDYYYY]  4. Last time subject ate: 24 hour clock: [HHMM]  CSF Processing: [HHMM]  Duration of Centrifuge:	NAPS2   Kit: 100002   through   CSF   STERCNT   SO0.00 uL     Through   CSF   STERCNT   STERCN
Time Allquoted:	NAPS2 Kit: 100002 1000000076 CSF STERCNT 1000.0 uL  NAPS2 Xit: 100002 Specimen barcode number and: Specimen Type = CSF Volume = 1000 uL









# Sample Shipping



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## 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.





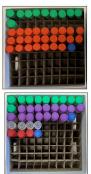
### Sample Shipment Summary

	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.	Up to 26	Frozen
		,	BUFFY COAT: Aliquot buffy coat from each (4) EDTA tube into its own 2.0ml clear cap cryovial	Up to 4*	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
Ĺ	*Sites may ele	ect to keep 1-2 bu	ffy coats from each visit locally.		

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## 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.









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### 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! Dry Ice amount must be in kilograms Note: 2 lbs. = 1 kg. Net Repository name & address: weight of Dry Ice dry ice in UN 1845 **NCRAD** kg kg. IU School of Medicine 351 W. 10th St Your TK-342 name & Indianapolis, IN 4620⊅\CR▲D address

### **Shipping Frozen Samples**

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



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### **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) <u>be properly trained on pertinent</u> <u>shipping requirements.</u>
  - International Air Transport Association (IATA) Training

DGI Training Center

800-338-2291

DGI training.com

Provides IATA Certified Air Seminars and online courses

Www.iata.org
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

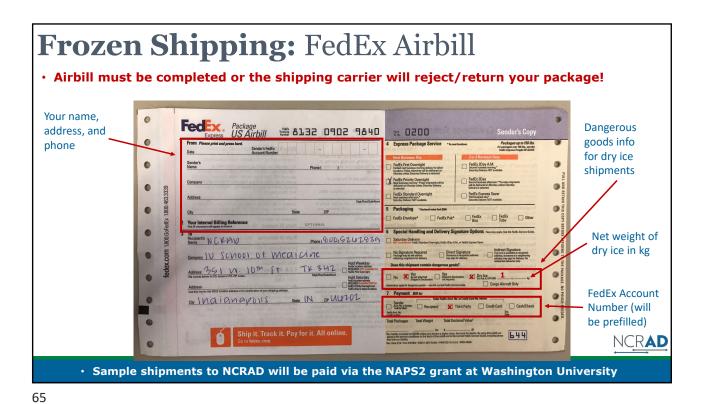


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## **UN3373 Biological Substance, Category B Training**

- 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 <a href="http://hazmat.dot.gov">http://hazmat.dot.gov</a>





# **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



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### Biological Sample and Shipment Notification Form: Blood

- Blood Collection for:
  - Whole Blood (RNA)
  - Serum
  - Plasma
  - Buffv 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.

To: Kelley Faber	Email: alzstudy		date of shipment Phone: 1-800-5	526,2830
General Information:	Email: diEstady	e-ia.caa	111011C. 2 000 1	320 2003
From:	Date:	F**	Kit Barcode	
Phone:	Email:			
NAPS2 ID:	GUID ID:			
Sex: M F	Year of Birth:			
Visit (circle one): Cycle 1 Cycle 2 Cyc				
Select one: □ Case □ Control				
-	CSF Collected? Yes			
Blood Collection: Blood Colle	cted (circle one): Yes			
1. Date Drawn:		2. Time of Dra	w: 24 hour clock:	[HHMM]
3. Date subject last ate:	[MMDDYYYY]	4. Last time su	ubject ate: 24 hour clo	ck: [HHMM]
Blood Processing:				
olood Frocessing.	RNA (PAX	gene Tube)		
Total volume of blood draw			ml	
Date PAXgene RNA tube pla				
Time PAXgene RNA tube pla			тннм	MI
		d Top Tube)		
Time spin started: 24 hour clock:	[HHMM]			
Temp of centrifuge:°C		Rate of centri	fuge:	x g
Original volume drawn (1x10mL Serum				
Time aliquoted: [HHMN	4]			reated: x 1.5mL
Time aliquoted: [HHMN If applicable, volume of residual serum	/l] aliquot (less than 1.5 mL)	(Blue cap):		reated: x 1.5mL
Time aliquoted: [HHMM] If applicable, volume of residual serum If applicable, specimen number of resid	/l] aliquot (less than 1.5 mL) ual serum aliquot (Last fo	(Blue cap): ur digits):	mL	
Time aliquoted: [HHMN If applicable, volume of residual serum	/l] aliquot (less than 1.5 mL) ual serum aliquot (Last fo	(Blue cap): ur digits):	mL	
Time aliquoted: [HHMM If applicable, volume of residual serum If applicable, specimen number of resid Time aliquots placed in freezer: 24 hour	/l] aliquot (less than 1.5 mL) ual serum aliquot (Last fo	(Blue cap): ur digits): M] Storag	mL e temperature of free	
Time aliquoted: [HHMM If applicable, volume of residual serum If applicable, specimen number of resid Time aliquots placed in freezer: 24 hour PI Time spin started: 24 hour clock:	A] aliquot (less than 1.5 mL) ual serum aliquot (Last for clock: [HHM asma & Buffy Coat (EDTA [HHMM]	(Blue cap): ur digits): [M] Storag (Lavender Top) T	mL e temperature of free	szer:°C
Time aliquoted:(HHMM if applicable, volume of residual serum if applicable, specimen number of resid Time aliquots placed in freezer: 24 hour PI	A] aliquot (less than 1.5 mL) ual serum aliquot (Last for clock: [HHM asma & Buffy Coat (EDTA [HHMM]	(Blue cap): ur digits): M] Storag (Lavender Top) T Duration of co	mL te temperature of free fube - 10mL)	zer:°C
Time aliquoted: [HHMM If applicable, volume of residual serum If applicable, specimen number of resid Time aliquots placed in freezer: 24 hour PI Time spin started: 24 hour clock:	A] aliquot (less than 1.5 mL) ual serum aliquot (Last for clock:[HHM asma & Buffy Coat (EDTA[HHMM]	(Blue cap): ur digits): M] Storag (Lavender Top) T Duration of co	mL ge temperature of free fube - 10mL) entrifuge:	zer:°C
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Time aliquoted: [HHMM fraplicable, specimen number of residual stemu frapplicable, specimen of centrifuge of central stemu frapplicable, specimen number of D.T.A 92:	Al)  alisitous (less than 1.5 mL) ual serum aliquot (last for light) ual serum aliquot (last for light) wasma & Buffy Cost (EDTA C  mL EDTA #3: mM EDTA #3: mile (green cap): ed (green cap): ed (green cap): aliquot (glue cap): mula plasma aliquot (last for clock: mL	(Blue cap): ur digits): Uration of cc Rate of centri mL EDTA 4  x 0.5mL x 1.0mL bur digits): [HHMM] Buffy Coat ali Buffy Coat ali Buffy Coat ali Buffy Coat ali	mL te temperature of free tube - 10mL) entifuge:	

# **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.

To: Kelley Faber Emi	ail: alzstudy@iu.edu	Phone: 1-800-526-28	339
General Information:			
From:	Date:		[MM/DD/YYY
Phone:	Email:		_
Tracking #:			
NAPS2 Participant Study Information:			
NAPS2 ID:	GUID ID:		
Sex (circle one): Male Female	Year of Birth	1:	_
Select one:   Case  Control			
Visit Information:	F		
CSF Collected? Yes No	Kit Ba	rcode	
Gauge needle used for LP (circle one): 22G	24 G		
Visit (circle one): Cycle 1 Cycle 2 Cycle 3			
Collection Process: Gravity Method As	iniration		
concedent rocess. Gravity inclined	(If aspiration method is used, it mus	t be documented as a protocol viol	lation)
CSF Collection:			
1. Date of Collection:		Y]	
Time of Collection: 24 hour clock:      Date subject last ate:	[HHMM] [MMDDYYY	v1	
4. Last time subject ate: 24 hour clock:		••	
CSF Processing:			
Time Spint Started: 24 hour clock:	[HHMM]		
Duration of Centrifuge: m	inutes		
Temperature of Centrifuge:	°C Rate of Cent	rifuge:	xg
Total Amount of CSF Collected:	mL		
	[HHMM]		
Time Aliquoted:		ml	
Time Aliquoted: Number of 0.5 mL CSF aliquots created (green o	:ap):x 0.5		
Number of 0.5 mL CSF aliquots created (green on Number of 1.0 mL CSF aliquots created (orange	cap):x 1.0		
Number of 0.5 mL CSF aliquots created (green o	cap):x 1.0		
Number of 0.5 mL CSF aliquots created (green on Number of 1.0 mL CSF aliquots created (orange	cap):x 1.0	)mL	

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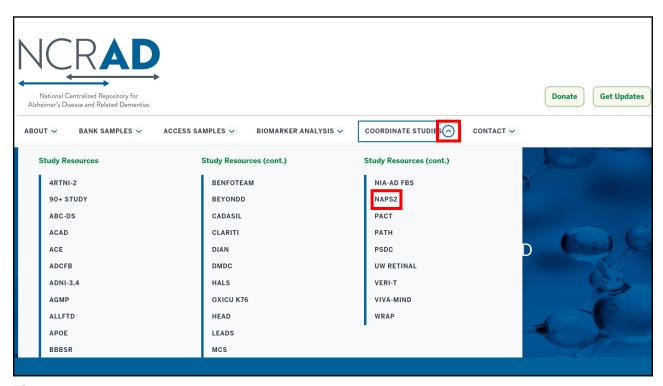
	ment Notification Form n or prior to the date of shipment	
To: Kelley Faber Email: alzstude	r@iu.edu Phone: 1-800-526-2839	
General Information:		
From: Coordinator Name	Date: 05/08/2024 [MM/DD/YYYY]	
Phone: 111-111-1111	Email: CoordinatorEmail@email.com	
Tracking #: <u>ABCDE123456789</u>	<b>—</b>	
NAPS2 Participant Study Information:		
NAPS2 ID: NAPS2-00000	GUID ID: NDAR000000	
Sex (circle one): Male Female	Year of Birth: 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 3 Cycle 4	Cycle 5 Cycle 6 Cycle 7 Cycle 8	
Collection Process Gravity Method 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  3. Date subject last ate: 05/07/2024	[HHMM]	
4. Last time subject ate: 24 hour clock: 1800	[MMDDYYYY] [HHMM]	
CSF Processing:		
Time Spint Started: 24 hour clock: 0925	[HHMM]	
Duration of Centrifuge: 10 minutes		
Temperature of Centrifuge: 4 °C	Rate of Centrifuge:xg	
	nL	
Time Aliquoted: 0935 [HHMN	•	
	10 × 0.5mL	
reamber of 2.0 file our angulars created (orange cap).	25x 1.0mL	
If applicable, volume of residual CSF aliquot (blue cap):	mL	
If applicable, specimen number of residual CSF aliquot:		NCRAD
Time Frozen: 0945 [HHMM]  Notes:	Storage Temperature of Freezer:°C	I VCITAD
notes.		
Merc	02.2024	
Ver:	V2.2V2 <del>4</del>	

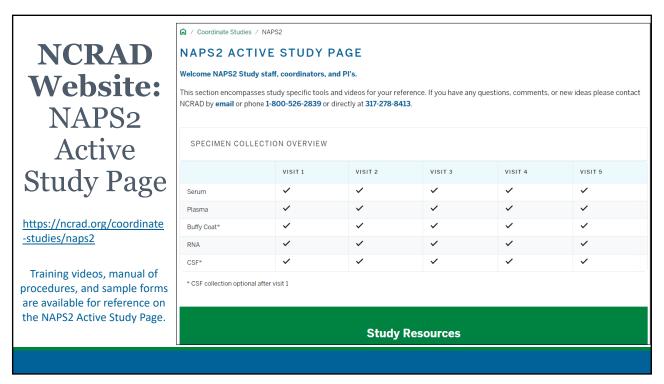
## **NCRAD** Website



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# 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 <sup><math>\gamma</math>M</sup> Tube must be placed on a <b>wire rack</b> and stored in a -80°C freezer. The sample may then be packaged with dry ice pellets and shipped as the study MQP 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 $\underline{\text{MOP}}$ dictates.
	Polypropylopo			Plasma must be processed and aliquoted locally the day of collection. Once

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### NCRAD Website: Holiday Closures

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

### HOLIDAY CLOSURES

DATE	HOLIDAY
January 1	New Year's Day
3 <sup>rd</sup> Monday in January	Martin Luther King, Jr Day
4 <sup>th</sup> Monday in May	Memorial Day
June 19	Juneteenth (observed)
July 4	Independence Day (observed)
1 <sup>st</sup> Monday in September	Labor Day
4 <sup>th</sup> Thursday in November	Thanksgiving
4 <sup>th</sup> 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: <u>alzstudy@iu.edu</u> or <u>agericks@iu.edu</u>

• Website: www.ncrad.org

