Alzheimer's Disease Family Based Study (AD-FBS)

in collaboration with

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: alzstudy@iu.edu or agericks@iu.edu

Website: www.ncrad.org



Training Overview:

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



Specimen Collection Schedule

Draw Order	Sample Collected	Collection Tube	Visit Collected (CI & CN)
1	Whole Blood (for PBMC isolation)	2 x Sodium Heparin (Green- Top) Blood Collection tube (10 ml)	All
2	Whole Blood (for plasma & buffy coat isolation <u>or</u> for DNA isolation)	2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)	All
3	Whole Blood (for Genetic Testing)	1 x EDTA (Lavender-Top) Blood Collection Tube (3 ml)	Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.
4	Whole Blood (for RNA isolation)	1 x PAXgeneTM Blood Collection Tube (2.5 ml)	AII NCR AD

Kit Request Module

https://redcap.uits.iu.edu/surveys/?s=Je4P26ijtv



National Centralized Repository for Alzheimer's Disease and Related Dementias

Kit Request Module

- Kits and individual supplies are available to order:
 - Blood Kit A: Plasma/Buffy Coat, PBMC, RNA
 - Blood Kit B: DNA, PBMC, RNA
 - Blood Kit C: PCM Trials
 - Blood Kit D: Genetic Testing Kit
 - Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.
 - Saliva Kit
 - Frozen Shipping Supply Kit
 - Any individual supplies needed



NCRAD Kit Request Module Module

NCRAD

National Centralized Repository for Alzheimer's Disease and Related Dementias

- 1. Reminder: only order kits/supplies that will be used within 30 days of receipt.
- 1. Enter your email address this is how you will receive updates about your order.

NIA-AD FBS Kit Request System

Due to ongoing supply limitations, we ask that you please only order as many kits and extra supplies that you will be able to use in the next 30 days. Doing so allows us to fulfill as many kit requests as possible without depleting stock for other kit requests in our queue. If we are not able to fulfill any part of your request due to supplies being out of stock, we will reach out about those individually.

IMPORTANT: To better track sample shipments, and to harmonize processes across all sites, we are asking all AD-FBS sites to use UPS ShipExec™ to send samples to NCRAD.

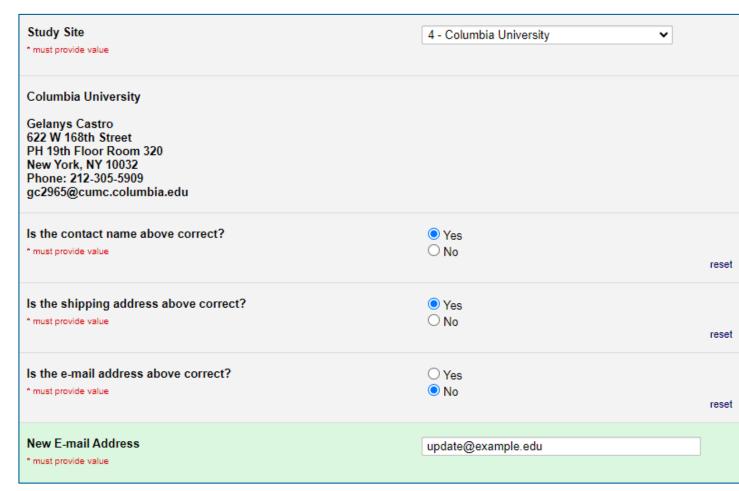
Use ShipExec™ to generate airbills to return samples to NCRAD

If you have any questions or need to set up a ShipExec™ account, please reach out to agericks@iu.edu



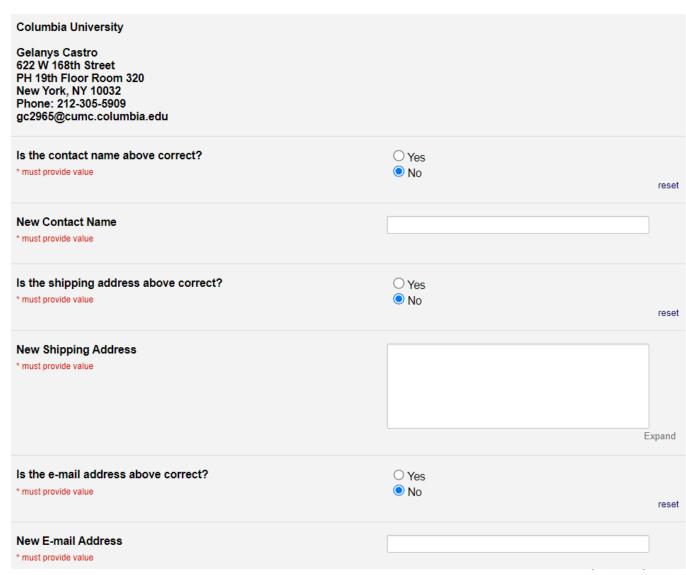
Please enter your email address here to receive a confirmation email after completing the survey:

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





- 1. If any information needs updated, select "no."
- 2. Enter the correct information in the box that appears.



1. Indicate the quantity needed of each kit

Total Number of Blood Kit A: PBMC, Plasma / Buffy Coat, and RNA Kits (11002) requested:

Each Kit Contains:

- 2 EDTA (Purple-Top) Tubes 10ml CT001
- 1 15ml Conical Tube CV004
- 20 Micronic tubes 2ml PURPLE cap -CV042
- 2 Micronic tubes 2ml GREY cap CV043
- 1 Micronic tube 2ml BLUE cap CV041
- 2 Disposable transfer pipette (1ml) CV002
- 1 Cryobox 48-Slot Rack CV051
- 1 Biohazard Bag w/ absorbent sheet SH015
- 1 Large resealable bag ST002
- 1 small label bag 4"x6" ST010
- 2 PMBC Sodium Heparin (Green-Top) Tubes 10ml CT008
- 1 PAXgene™ Blood Collection Tube (2.5 ml)

Ambient Mailer Components:

- 1 Ambient Mailer Kit (SH008):
 - 1 Biohazard Bag w/ 6 absorbent sleeves
 - 1 Refrigerant Pack
 - 1 Ambient Shipper w/Insulated Cooler
 - 1 List of Contents Card
 - 1 UN3373 Category B Sticker
- 1 Shipping Pouch (SH058)
- 1 UPS Laboratory Pak (SH053)

Labels:

- 5 Collection Tube Labels (2 x plasma, 2 x PBMC, & 1 x RNA) -LB003
- 23 Micronic Tube Labels LB014 (21 x PLASMA & 2 x BUFFY COAT)
- 3 Kit Number Labels LB003
- 6 Site and ID Labels LB003

1. Indicate the quantity needed of each kit

Total Number of Blood Kit B: PBMC, DNA, and RNA Kits (11003) Requested:

Each kit contains:

- 2 EDTA (Purple-Top) tubes 10ml CT001
- 2 PBMC Sodium Heparin (Green-Top) tubes 10ml CT008
- 1 PAXgene™ Blood Collection Tube
- 1 Resealable bag ST002

Ambient Mailer Components:

- 1 UPS Laboratory Pak SH053
- 1 Shipping Pouch SH058
- 1 Ambient Mailer Kit (SH008):
 - 1 Biohazard Bag w/ absorbent sheet
 - 1 Refrigerant Pack
 - 1 Ambient Shipper w/Insulated Cooler
 - 1 List of Contents Card
 - 1 UN3373 Category B Sticker

Labels:

- 5 Site and ID labels LB003
- 5 Collection Tube Labels LB003 (2 x PLASMA, 2 x PBMC, & 1 x RNA)
- 2 Kit Number Labels LB003



1. Indicate the quantity needed of each kit

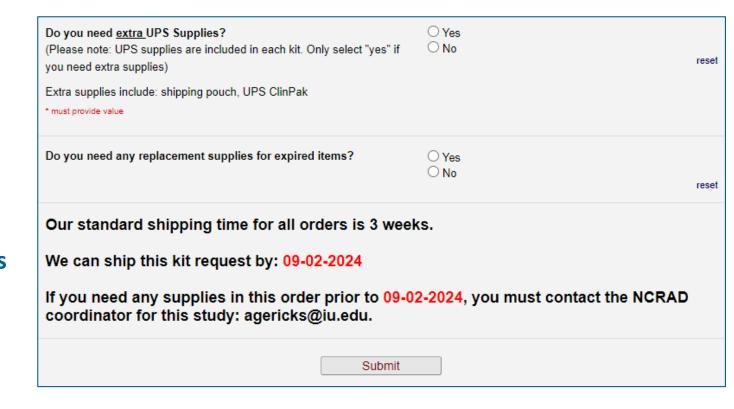
Total Number of Saliva Kits (10712) requested:	
Each Kit Contains: 1: Oragene Saliva Collection Kit - CT010 1: Small Saliva Biohazard Bag with Absorbent sheet - SH013 1: Resealable Bag - ST002 1: Exempt Human Specimen Label - LB007 1: Shipping envelope - ST007 1: Pre-paid Return UPS sticker label	
<u>Labels:</u> 2: Kit number labels - LB003 1: Label for handwritten Site ID, Family ID, and Individual ID - LB003	
Total Number of Blood Kit D: Genetic Testing Kits (10869) requested:	
Each Kit Contains: 1 - EDTA (Lavender-Top) Blood Collection Tube (3 ml) - CT021 1 - Bubble wrap tube sleeve - SH032 1 - Resealable bag - ST002 1 - Kit bag label - LB006	
<u>Labels:</u> 1 - Label for handwritten Site ID, Family ID, and Individual ID - LB003 2 - Pre-printed labels with kit number - LB003 1 - Pre-printed Collection Tube label for whole blood - LB003	
Total number of Frozen Shipping Supply Kits (10713) requested:	
Each Kit Contains: 1 Frozen Shipper (Small frozen shipper/Sm brain box) - SH005 1 Dry Ice Label - LB016 1 UN3373 Label - LB008	

1. At the bottom, indicate which visit the kit(s) will be used for.

Please indicate which visits the kits will be used for: (Example: You ordered 3 kits; 1 x Visit 1, 2 x Visit 3)	
	Expand



- 1. Indicate if you need extra UPS shipping supplies.
- 2. Indicate if you need to replace any expired items.
- 3. The module automatically calculates the date in 3 weeks.
 This is when you can expect your kit to ship by.



4. Click Submit.



After Placing Your Order

- After clicking "submit" you should receive an email confirming that NCRAD received your request.
- The IU staff will notify you if there are any issues or questions.
- You will be notified when the supplies are shipped out to your site.



NCRAD Kit Request Module: When It Must be Used

- Each site will be responsible for ordering kits (labels included) and maintaining supplies on site for scheduled participants.
- To order, sites will use the Indiana University online kit ordering module: https://redcap.uits.iu.edu/surveys/?s=Je4P26ijtv
- Allow a minimum of 3 weeks for your order to be processed and delivered.



Kit Types



National Centralized Repository for Alzheimer's Disease and Related Dementias

Kit Types

Kit Type	Used When
Blood Kit A: PBMC, Plasma/Buffy Coat, & RNA	The participant <u>CAN</u> come into the site in person for blood collection.
Blood Kit B: PBMC, DNA, & RNA	The participant <u>canNOT</u> come into the site in person for blood collection and processing, and a remote phlebotomist (PCM Trials) is NOT being used.
	The youngest affected individual in a qualifying family.
Blood Kit D: Genetic Testing Kit	Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.
Saliva Kit	Blood collection is not possible.

Kit A: PBMC, Plasma/Buffy Coat, & RNA

Draw Order	Sample Collected	Collection Tube	Site Processing	Sample Shipped	Shipment Tube	Shipment Temperature
1	Whole Blood (for PBMC isolation)	2 x Sodium Heparin (GreenTop) Blood Collection tube (10 ml)	N/A	Whole Blood	2 x Sodium Heparin (GreenTop) Blood Collection tube (10 ml)	Ambient
2	Whole Blood (for plasma & buffy coat isolation)	2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)	Isolation of plasma and buffy coat	Plasma & Buffy Coat	Up to 21 x 2mL purple top cryovials with plasma AND Up to 2 x 2mL grey top cryovials with buffy coat	Frozen
3	Whole Blood (for RNA isolation)	1 x PAXgene TM Blood Collection Tube (2.5 ml)	N/A	Whole Blood	1 x PAXgene TM Blood Collection Tube (2.5 ml)	Ambient

Kit B: PBMC, DNA, & RNA

Draw Order	Sample Collected	Collection Tube	Site Processing	Sample Shipped	Shipment Tube	Shipment Temperature
1	Whole Blood (for PBMC isolation)	2 x Sodium Heparin (GreenTop) Blood Collection tube (10 ml)	N/A	Whole Blood	2 x Sodium Heparin (GreenTop) Blood Collection tube (10 ml)	Ambient
2	Whole Blood (for DNA isolation)	2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)	N/A	Whole Blood	2 x EDTA (Lavender- Top) Blood Collection Tube (10 ml)	Ambient
3	Whole Blood (for RNA isolation)	1 x PAXgene TM Blood Collection Tube (2.5 ml)	N/A	Whole Blood	1 x PAXgene TM Blood Collection Tube (2.5 ml)	Ambient

Kit D: Genetic Testing Kit

Draw Order	Sample Collected	Collection Tube	Site Processing	Sample Shipped	Shipment Tube	Shipment Temperature
Immediately following the 2 x 10mL EDTA tubes	Whole Blood (for Genetic Testing)	1 x EDTA (Lavender- Top) Blood Collection Tube (3 ml)	N/A	Whole Blood	1 x EDTA (Lavender-Top) Blood Collection Tube (3 ml)	Frozen

Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.



Saliva Kit

Draw Order	Sample Collected	Collection Tube	Site Processing	Sample Shipped	Shipment Tube	Shipment Temperature
N/A	Saliva	Oragene Saliva Tube	N/A	Saliva	Oragene Saliva Tube	Ambient



Specimen Labels



National Centralized Repository for Alzheimer's Disease and Related Dementias

Label Type Summary

- 1. Kit Number Label
- 2. Site ID, Family ID, and Individual ID Label
- 3. Collection Tube Label
- 4. Cryovial Label

Differ by specimen type



Kit Number Labels

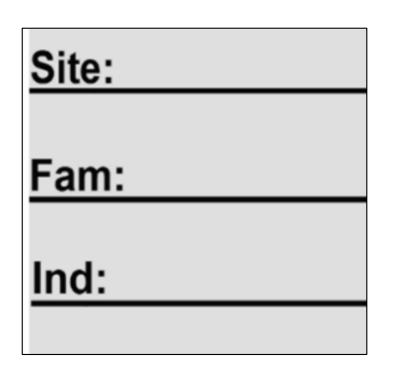


Provided by NCRAD in the kits

- Used to track patient samples and provide quality assurance
- Tie together all specimens collected from one participant at one visit.
- Will be placed on the following locations:
 - Biological Sample and Shipment Notification Form
 - 2. Outside cryobox that houses aliquot tubes during storage and shipment



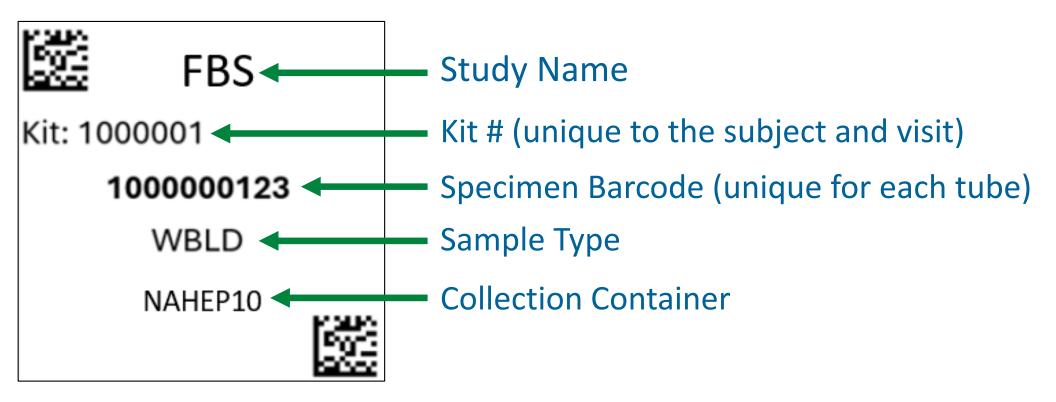
Site, Family, and Individual ID Label



- Participants will be identified by their site, Family, and Individual ID
- Sites will be responsible for handwriting this onto the provided labels
 - Must use fine point permanent marker
 - Each site will receive 4 markers in initial kit supply
- Place one label on each blood collection tube.



Collection Tube Labels



Place one label on each blood collection tube.



Collection Tube Labels









Every combination of Sample Type and Collection Tube that you may encounter.

Look to the **Sample Type** & **Collection Tube** lines to determine what tube / cryovial the label should be placed on



Specimen Labels: Blood Collection Tubes

- Each collection tube will contain two labels: the Collection Tube Label and the Site ID, Family ID, and Individual ID Label. Be sure to place labels in the same configuration consistently among tubes.
- The Collection Tube label should be placed at the top of the tube, with the lefthand barcode label near the cap of the tube.
- The handwritten Site ID/Family ID/Individual ID Labels near the bottom of the tube.
- All PBMC, EDTA, and PAXGene™ collection tubes will have two labels:
 - Label 1: Collection Tube Label
 - Label 2: Site, Family, and Individual ID Label

FBS Kit: 10000001

Label 1:

WBLD

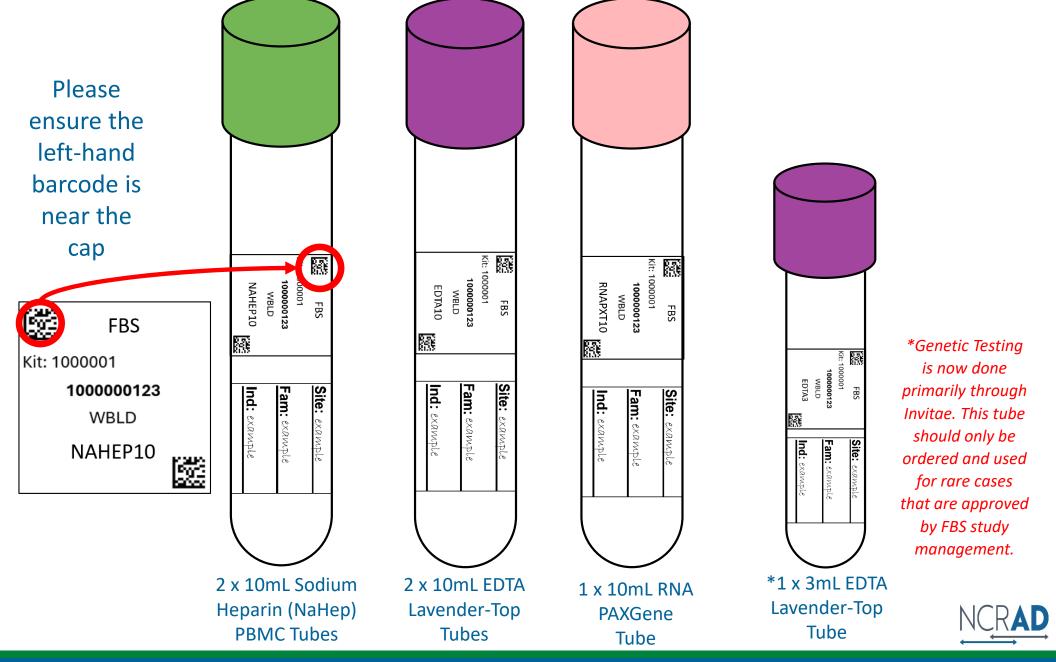
Collection Container

Label 2:

Site:	
Fam:	
Ind:	

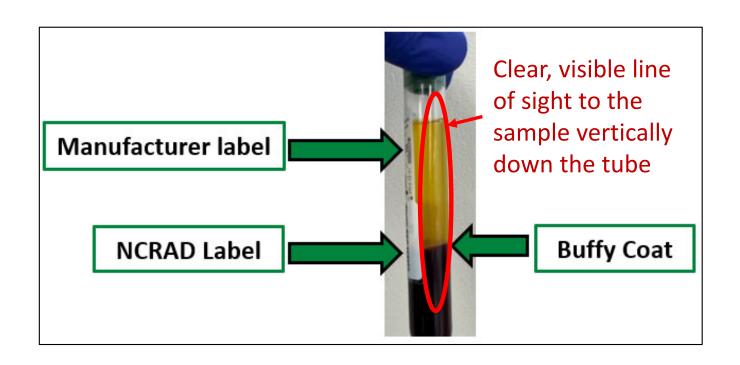


Specimen Labels: Blood Collection Tubes



Specimen Labels: PBMC Collection Tubes

For Sodium Heparin tubes, please align the Collection Tube Label and Site ID/Family ID/Individual ID Label with the manufacturer's label on the tube so that the buffy coat is visible to the NCRAD laboratory staff during processing.





Cryovial Tube Labels

FBS 1000001 PLA

FBS 1000001 BUF

- Place one Cryovial Label on each blood aliquot cryovial. Note: these are only applicable to Blood Kits A & C.
 - Remember Blood Kit C is for PCM Trials only.
- Specimen type is indicated on the label.
 - PLA = Plasma
 - BUF = Buffy Coat



Specimen Labels: Labeling Guidelines

- Place Collection Tube and Aliquot Labels on ALL collection tubes and cryovials BEFORE sample collection. This should help to ensure the label properly adheres to the tube before exposure to moisture or different temperatures.
- Using a fine point permanent marker, fill-in and place the Site ID/Family ID/Individual
 ID Labels on the Collection Tubes BEFORE sample collection. These labels are placed on
 collection tubes in addition to the Collection Tube Label.
- The Collection Tube Labels contain two 2D barcodes. Place the left-hand barcode toward the tube cap.
- Place label horizontally on the tube (wrapped around sideways if the tube is upright).
- Take a moment to ensure the label is completely adhered to each tube. It may be helpful to roll the tube between your fingers after applying the label.



Labeling Breakdown by Kit Type



National Centralized Repository for Alzheimer's Disease and Related Dementias

Kit A: PBMC, Plasma/Buffy Coat, & RNA Labels

Kit Number Labels



- 1 x placed on the Sample Form
- 1 x placed on the outside of the cryobox that houses aliquot tubes during storage and shipment
- 3 x extra (dispose if not used)

Cryovial Labels

FBS 1000001 PLA

- 20 x Micronic tubes
 2ml PURPLE cap
- 1 x Micronic tube 2ml BLUE cap

FBS 1000001 BUF

2 x Micronic tubes 2ml GREY cap

Site ID, Family ID, and Individual ID Labels

Site:
Fam:
Ind:

- 2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)
- 2 x PBMC Sodium Heparin (Green-Top) Tubes
 10ml
- 1 x RNA PAXgeneTM (Red-Top) Tubes 2.5 ml
- 1 x extra

Collection Tube Labels



2 x EDTA

 (Lavender-Top)
 Blood
 Collection Tube
 (10 ml)



2 x PBMC
Sodium
Heparin
(Green-Top)
Tubes 10ml



1 x RNA
 PAXgeneTM (Red-Top) Tubes 2.5 ml



Kit B: PBMC, DNA, & RNA Labels

Kit Number Labels



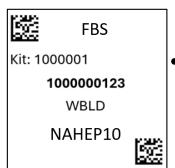
- 1 x placed on the Sample Form
- 4 x extra (dispose if not used)

Site ID, Family ID, and Individual ID Labels

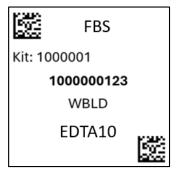
Site:	
Fam:	
Ind:	

- 2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)
- 2 x PBMC Sodium Heparin (Green-Top) Tubes 10ml
- 1 x RNA PAXgeneTM (Red-Top)
 Tubes 2.5 ml
- 1 x extra

Collection Tube Labels



2 x PBMC SodiumHeparin (Green-Top)Tubes 10ml



2 x EDTA

 (Lavender-Top)
 Blood Collection
 Tube (10 ml)

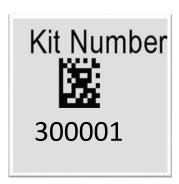


1 x RNA
 PAXgeneTM
 (Red-Top) Tubes
 2.5 ml

Kit D: Genetic Testing Labels

Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.

Kit Number Labels



- 1 placed on the Sample Form
- 1 placed on the outside of the cryobox that houses aliquot tubes during storage and shipment

Collection Tube Labels



 1 x EDTA (Lavender-Top)
 Blood Collection Tube for Genetic Testing (3 ml)

Site ID, Family ID, and Individual ID Labels



 1 x EDTA (Lavender-Top) Blood Collection Tube for Genetic Testing (3 ml)



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 rcf with refrigeration to 4°C
- 2. -80°C Freezer
- 3. Wet Ice Bucket



Blood Draw Order

- 1. Sodium Heparin (Green-Top) Blood Collection Tube (10 ml) x 2
- 2. EDTA (Lavender-Top) Blood Collection Tube (10 ml) for DNA and Plasma x 2
- EDTA (Lavender-Top) Blood Collection Tube (3 ml) for CLIA lab testing **only select participants**
 - Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.
- 4. PAXgene™ Blood Collection Tube (2.5 ml) for RNA



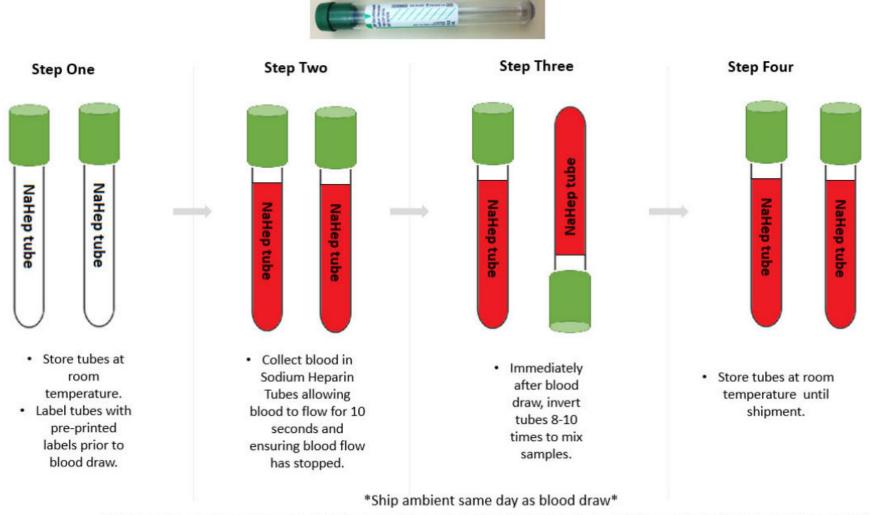
Sample Collection - Blood

Tube Type	Number of Tubes Drawn	Tube Image
1. Sodium Heparin (Green-Top) Blood Collection Tube (10 ml) for PBMC	X2	CETTORING SO-9102 E COSPETA (ESS) PARPENDAN DE SANCIAN MINISTRA (ESSANCE SE SE) PARPENDAN DE SANCIAN MINISTRA (ESSANCE SE
2. EDTA (Lavender-Top) Blood Collection Tube (10 ml) for Plasma & Buffy Coat	X2	1386643 154 (CZ) 1894, E 177 (AS) 1890 1
3. EDTA (Lavender-Top) Blood Collection Tube (6ml) for CLIA lab testing *only select participants*	X1	Comment is so ever to from the built
4. PAXgene™ Blood Collection Tube (2.5 ml) for RNA	X1	

^{*}Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.



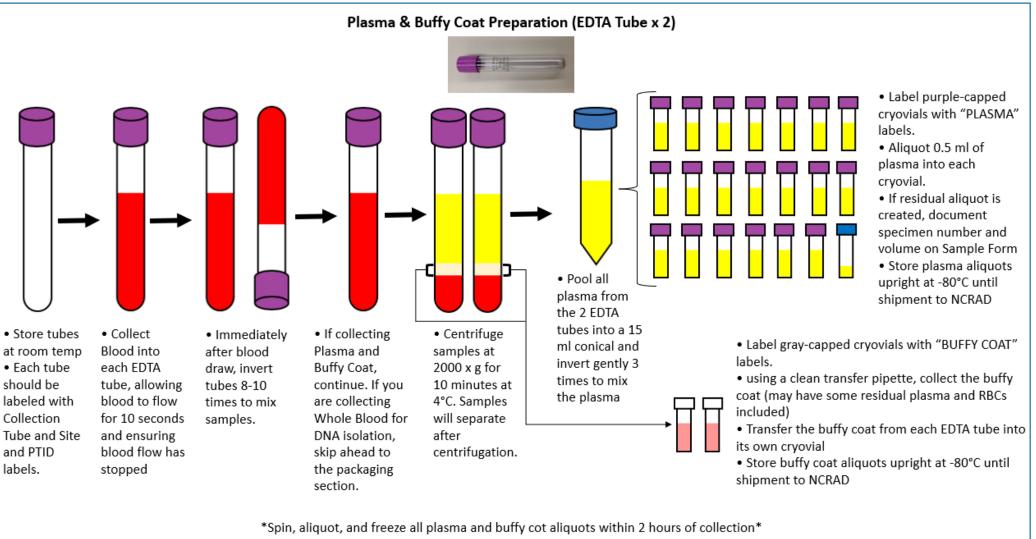
PBMC Preparation (10ml Sodium Heparin Tube x 2)



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

Important Note: Ensure all tubes are not expired prior to collection and processing of samples.

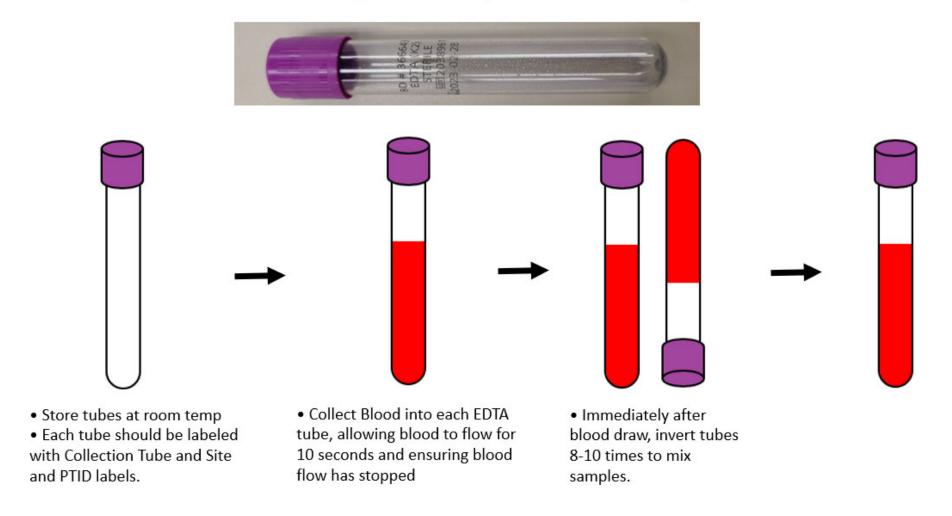




Please be sure to compare the labels on each tube and cryovials to the Biological Sample Form included with each kit

Important Note: Ensure all tubes are not expired prior to collection and processing of samples.

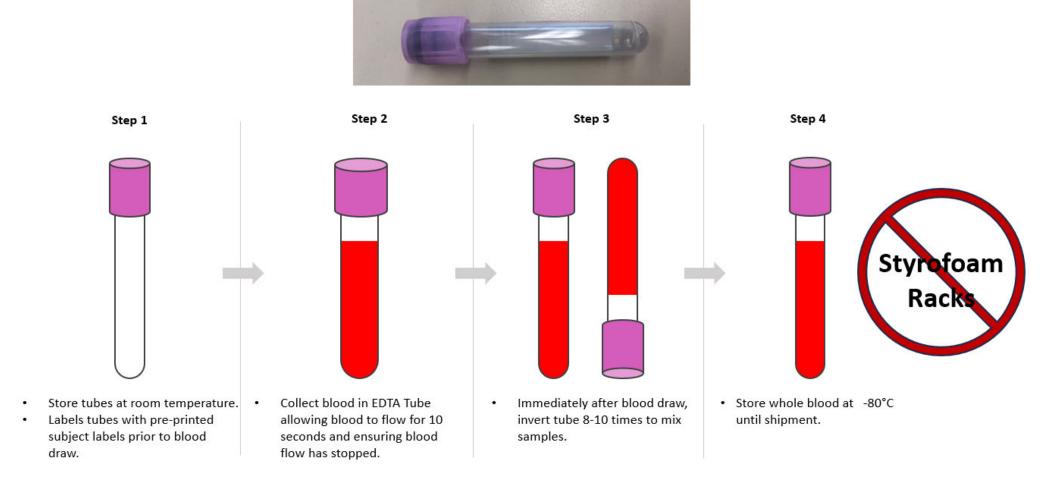
DNA Preparation (EDTA Tube x 2)



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

Important Note: Ensure all tubes are not expired prior to collection and processing of samples.

Whole Blood Collection (1 x 3mL EDTA Purple Top Tube)

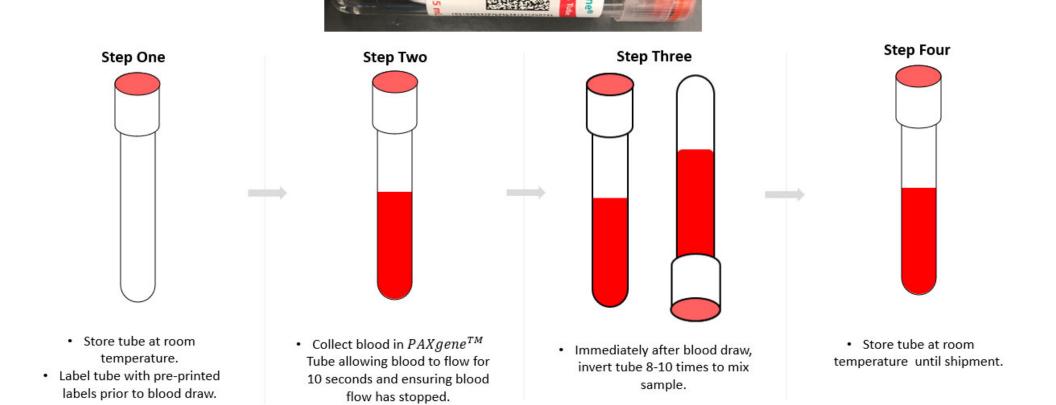


Please be sure to compare the labels on the tube to the Biological Sample Form included with each kit

Important Note: Ensure tube is not expired prior to collection and processing of samples.

Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.

RNA Preparation (2.5ml PAXgeneTM Tube x 1)



Ship ambient same day as blood draw

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

Important Note: Ensure tube is not expired prior to collection and processing of samples.



Sample Shipping





Ambient Sample Shipping

Ship Monday-Thursday Only

• PBMC, Whole Blood (for DNA isolation), and RNA

Ship samples same day as collection



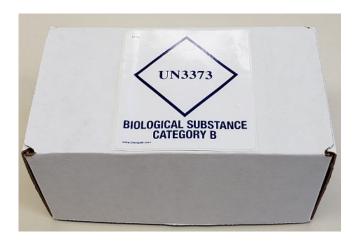
Ambient Sample Shipping

Sample Type	Tube Type	Kit Type
Whole blood for PBMC isolation	2 x Sodium Heparin (GreenTop) Blood Collection tube (10 ml)	Kit B: PBMC, DNA, & RNA AND Kit A & C: PBMC, Plasma/Buffy Coat, & RNA
Whole blood for DNA isolation	2 x EDTA (Lavender-Top) Blood Collection Tube (10 ml)	Kit B: PBMC, DNA, & RNA
Whole blood for RNA isolation	1 x PAXgene [™] Blood Collection Tube (2.5 ml)	Kit B: PBMC, DNA, & RNA AND Kit A & C: PBMC, Plasma/Buffy Coat, & RNA



Ambient Sample Shipping





- Place refrigerant pack in the freezer 24 hours prior to shipment.
- Place filled and labeled Sodium Heparin, EDTA, and PAXgeneTM tubes within the slots in the absorbent pad and place in biohazard bag.
- Place the kit number label on biohazard bag.
- Place the refrigerant pack into the cooler on top of the filled biohazard bag. Place lid on cooler.
- Place the cooler in the small IATA Shipping Box.
- Place an extra copy of the "Biological Sample and Shipment Notification Form" within the shipping box along with a list of contents form.
- Close shipping box and ensure labeled with UN3373 label.
- Place box within a provided UPS ClinPak, seal, and place UPS label on outside of package.



Frozen Sample Shipping

Ship Monday-Wednesday Only

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



Frozen Sample Shipping

Sample Type	Tube Type	Kit Type
Plasma & Buffy Coat	Up to 20 x 2mL purple top cryovials with plasma AND Up to 2 x 2mL grey top cryovials with buffy coat	Blood Kit A & C: PBMC, Plasma/Buffy Coat, & RNA
Whole blood for Genetic Testing	1 x EDTA (Lavender-Top) Blood Collection Tube (3 ml) Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.	Blood Kit D: Genetic Testing Kit



Frozen Shipping - Cryoboxes











Place frozen EDTA (3ml) tube (when applicable) in bubble wrap tube sleeves.



Frozen Shipping – Dry Ice Requirements



- Fully cover the cryoboxes with about 2 inches of dry ice in the provided shipper.
- Each Styrofoam shipper must contain about 45 lbs (20 kg) of dry ice.



Frozen Shipping – Dry Ice Requirements

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 & Ambient Samples

- Send Biological Sample and Shipment
 Notification Form to IU <u>ahead of shipment</u>
 - Email: alzstudy@iu.edu or
 - Fax: 317-321-2003



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	Aiconsult Email: Airconsult@wanadoo.fr www.airconsult-bf.com

Bureau of Dangerous Goods LTD., TIANJIN

Addr.: No.3 Yingshui road, Nankai district, Tianjin China

Tel: 022-23495890 83326960 83326854 / Fax: 022-83326959

Email: cdmin@bdg-china.com.cn

www.bdg-china.com.cn



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



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 and ambient samples.
- This means you will need to print a copy of the completed Sample Form, so you have to include in both shipments, if using Blood Kit A or C.

• Email: <u>alzstudy@iu.edu</u>

• Fax: 317-321-2003



Biological Sample and Shipment Notification Form - Blood Kit A and C: PBMC, Plasma/Buffy Coat, and RNA

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

Shipment

Collection Tube Type

Sample Type

Whole blood for PBMC isolation	2 x Sodium Heparin Collection T		Room Temperature Must be shipped and received within 24 ho of collection
Whole blood for isolation of plasma & buffy coat (for DNA extraction)	2 x EDTA (Lavender-T Tube (
Whole blood for RNA isolation	1 x PAXgeneTM E Tube (2		Room Temperature Must be shipped and received within 24 ho of collection
To: Kelley Faber	Email: alzstud	y@iu.edu	Phone: 1-800-526-2839
General Information:		Kit B	Barcode
UPS Tracking # (ambient):		!	
UPS Tracking # (frozen):			
Site Coordinator:		i	
Phone:	Email:	i	
Study: AD Family-Based Study			
Site ID:	Family ID:		Individual ID:
Sex: M F	Year of Birth:		
Visit (please circle one): 1 2 3	4 5 6 7	8 9 10	
Blood Collection:			
Date Drawn: [MM,	/DD/YYYY]	Time of Draw:	[HH:MM]
Date Subject Last Ate:			
Original Volume Drawn (2 x NaH			
Total volume of blood drawn into			(mL)
Blood Processing:			
PI	asma & Buffy Coat (L	avender-top) Tub	be (2x10ml)
Original Volume Drawn (2 x Lave	nder-Top):		mL
Time spin started:	[HH:MM]	Duration of cent	trifuge: Minutes
Temp of centrifuge:	°C	Rate of centrifu	ge:x g
Time aliquoted:			[HH:MM]
Number of 0.5ml plasma aliquot	s created (lavender c	ap, up to 20):	
If applicable, volume of residual	plasma aliquot (less t	than 0.5ml in blue	e cap):mL
If applicable, specimen number of		quot (last four dig	gits):
Buffy Coat #1 last four digits of s	pecimen number:		
Buffy Coat #1 volume:			mL
Buffy Coat #2 last four digits of s	pecimen number:		
Buffy Coat #2 volume:			mL
Notes:			
**If collected by contracted mobile pl	hlebotomist: complet	e at time of blood	d collection
Blood collection completed by:		(name))
Company:	_	Cont	tact phone:

Biological Sample and Shipment Notification Form - Blood Kit B: PBMC, DNA, and RNA

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

Sample Type	Tube Type	Shipment
Whole blood for PBMC isolation	2x Sodium Heparin (Green-Top) Blood Collection Tube (10ml)	Room Temperature Must be shipped and received within 24 hours of collection
Whole blood for DNA extraction	2 x EDTA (Lavender-Top) Blood Collection Tube (10ml)	Room Temperature Must be shipped and received within 24 hours of collection
Whole blood for RNA isolation	1 x PAXgeneTM Blood Collection Tube (2.5ml)	Room Temperature Must be shipped and received within 24 hours of collection

To: Kelley Faber Email:	alzstudy@iu	ı.edu		Phon	e: 1-80	0-526-2839		
General Information:		[Kit Ba	rcode				
UPS Tracking #:	_							
Site Coordinator:Date:		_						
Phone: Email:		_ i						
		i						:
Study: AD Family-Based Study								
Site ID: Family ID:		_	Ind	lividua	II ID:		_	
Sex: M F								
Year of Birth:		_						
Visit (please circle one): 1 2 3 4	5 6	/	8	9	10			
Blood Collection:								\neg
Date Drawn: [MM/DD/YYYY]	Tin	ne of D	raw:			[HH:MM]		
Original Volume Drawn (2 x NaHep Green-Top	p): #1				_ (mL)			
Original Volume Drawn (2 x NaHep Green-To	p): #2				(mL)			
Original Volume Drawn (2 x Lavender-Top):	_			(mL)			
Original Volume Drawn (1 x PAXgeneTM Tube	e):			(mL)			
Notes:								_
								_
								_
**If collected by contracted mobile phlebotomist:	complete at	time of	blood	collec	tion			
Blood collection completed by:		(r	name)					
Company:	Co	ntact pl	hone:					

Biological Sample and Shipment Notification Form - Blood Kit D: Genetic Testing

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

Sample Type	Number of Tubes	Tube Type	Shipment
Whole blood for Genetic Testing	1	EDTA (Lavender-Top) Blood Collection Tube (3ml)	Frozen (Dry Ice)

Genetic Testing is now done primarily through Invitae. This kit should only be ordered and used for rare cases that are approved by FBS study management.

To: Kelley Faber	Email: alzstudy@iu.ed	u Phone: 1-800-526-2839
General Information:		Kit Barcode
UPS Tracking #:		
Site Coordinator: Dat	e:	
Phone: Emo	ail:	
Study: AD Family-Based Study		
Site ID: Family	ID:	Individual ID:
Sex: M F		
Year of Birth:		
Visit (please circle one): 1 2 3	4 5 6 7	7 8 9 10
Blood Collection:		
Date Drawn: [MM/DD/	YYYY] Time o	f Draw:[HH:MM]
Original Volume Drawn (1 x Lavender	-Top):	(mL)
Notes:		
**If collected by contracted mobile phlebo	tomist: complete at time	e of blood collection
Blood collection completed by:		_ (name)
Company:		
Contact phone:		

Version 12,2023

Biological Sample and Shipment Notification Form - Saliva

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

Sample Typ	e Number	of Tubes Tu	be Type	Shipment
Saliva	1	1 Saliva Co	ollection Tube	Ambient
	To: Kelley Faber	Email: alzstudy@	Piu.edu	Phone: 1-800-526-2839

	To: Kelley Faber	Email: a	lzstudy@	iu.edu	Phone: 1-800-526-2839	
General Informat	ion:			[Kit Barcode	
UPS Tracking #: _			-			
Site Coordinator:		Date:		_		
Phone:		Email:				į
				'		
Study: AD Family	Based Study					
Site ID:	Fa	mily ID:			Individual ID:	
Sex: M F					GUID:	
Year of Birth:						
Visit (please circle	e one): 1 2 3	4 5 6	7 8	9 10		
Saliva Collection:						
1. Date Draw	n:[M	M/DD/YYYY]				
2. Time of Dr	aw:[HH:MM]				
3. Date Subje	ct Last Ate:	[MM/DI	D/YYYY]			
4. Time Subje	ect Last Ate:	[HH:MM]				
INTERNAL NCRA	D USE ONLY					
Complete Saliva \	/olume:	mL				
Notes:						
l						

NCRAD Website Helpful Pages

https://ncrad.iu.edu/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)
luly 4	Independence Day (observed)

https://ncrad.iu.edu/contact/friday-blood-draws

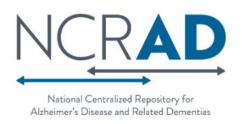
WHAT TO DO FOR FRIDAY BLOOD DRAWS

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



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4RTNI-2

90+ Study

ABC-DS

ACAD

ACE

ACT

ADCFB

ADNI-3,4

AGMP

ALLFTD

A / Coordinate Studies / NIA AD FBS

NIA-AD FBS ACTIVE STUDY PAGE

Welcome NIA-AD FBS Study staff, coordinators, and PI's.

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

General questions about the study, not related to the specimens should be directed to **Dolly Reyes (dr2290@cumc.columbia.edu)**.

NIA-LOAD

Study Resources

KIT REQUEST MODULE

BIOLOGICAL SAMPLE AND SHIPMENT NOTIFICATION FORMS

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

