

Asian Cohort for Alzheimer's Disease

ACAD U19

Biospecimen Collection, Processing, and Shipment Training Slides

Version 2.3



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 - Handling/Processing Study Specimens
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If not able to collect blood samples for a participant, Saliva can be collected for DNA extraction

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Training Overview



NCRAD Contact Information

Questions?

Zoë McManus, BA, CCRP, Study Coordinator

Phone: (317) 278-9086

Email: zdpotter@iu.edu

General NCRAD Contact Information

Phone: 1-800-526-2839

Alt. Phone: 317-278-8413

Email: alzstudy@iu.edu

Website: https://ncrad.org/

ACAD Study Specific Webpage: <u>NCRAD - The ACAD Active Study Page</u>



Globally Unique Identifier (GUID)

https://bricsguid.nia.nih.gov/portal/jsp/login.jsp



Globally Unique Identifier (GUID)

The GUID is a participant 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.



Globally Unique Identifier (GUID) cont.

- To create a GUID follow these steps:
 - 1. Create an account: <u>https://bricsguid.nia.nih.gov/portal/jsp/login.jsp</u>
 - 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. In order to generate a GUID, the following PHI is required (<u>Appendix A</u>):
 - Complete legal given (first) name of participant at birth
 - If the participant has a middle name
 - Complete legal family (last) name of participant at birth
 - > Day of birth
 - Month of birth
 - > Year of birth
 - Name of city/municipality in which participant was born
 - Country of birth

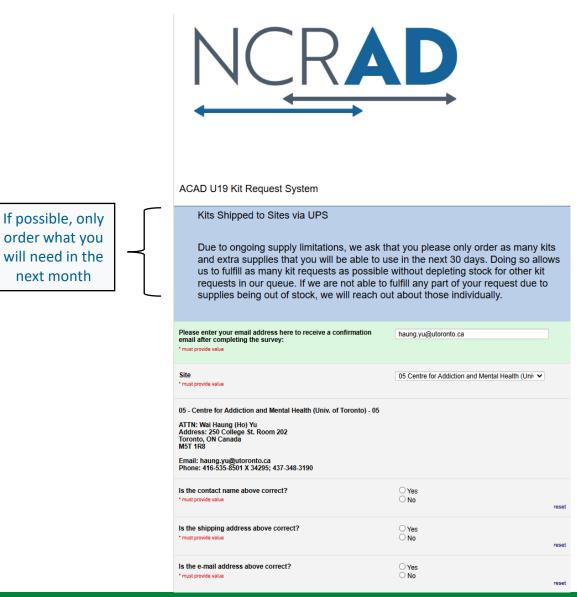


Kit Request Module

https://redcap.link/acadU19



NCRAD Kit Request Module



- Enter your email to receive a confirmation email after you submit your kit request.
- Choose your site from the drop-down list.
- The coordinator name and contact information will appear.
- Verify that this information is accurate. Correct if necessary.



NCRAD Kit Request Module

| ACAD Blood | d Kits | |
|---|-------------------------------------|-------|
| ACAD Blood-Based Kit Qty | | |
| ACAD Blood-Based Supplemental Kit Qty | | |
| ACAD Frozen Blood Shipping Kit (SMALL) Qty | | |
| ACAD Frozen Blood Shipping Kit (LARGE) Qty | | |
| ACAD Frozen Blood Shipping Kit (International Sites) Qty | | |
| ACAD Saliv | a Kits | |
| ACAD Saliva Collection Kit Qty | | |
| ACAD Saliva Batch Shipping Kit Qty | | |
| ACAD REMOTE Saliva Shipping Kit Qty - Blue Mailer Included | | |
| ACAD REMOTE Saliva Shipping Kit Qty - No Blue Bubble Mailer | | |
| Do you need Extra Supplies? * must provide value | ⊖Yes ⊖No | reset |
| Our standard shipping time for all orders is 3 we | eks. | |
| We can ship this kit request by: 05-13-2025 | | |
| If you need any supplies in this order prior to 05- coordinator for this study: zdpotter@iu.edu. | 13-2025, you must contact the NCRAD | |
| Comments | | |
| | | |
| | | |

Submit

- Indicate the quantity needed of each kit
 - Once selected, kit components of the chosen kit will appear at the bottom of the screen
- You can order extra supplies individuallyby selecting "Yes" here.
- We will return requests within 3 weeks from the order date.
 - If you need any supplies expedited, please contact the NCRAD Coordinator via email.
- Click "Submit" to turn in your request.
- **Note: You can order more than one type of kit in a single kit request**



ACAD Kit List

- Kits and individual supplies are available to order:
 - Blood Kits:
 - ACAD Blood-Based Kit
 - ACAD Blood-Based Supplemental Supply Kit
 - ACAD Frozen Blood Shipping Supply Kit (SMALL)
 - ACAD Frozen Blood Shipping Supply Kit (LARGE)
 - ACAD Frozen Blood Shipping Supply Kit (International Sites)
 - Saliva Kits:
 - ACAD Saliva Collection Kit
 - ACAD Saliva Batch Shipping Kit
 - ACAD REMOTE Saliva Shipping Kit Blue Mailer Included
 - Blue mailer included to ship saliva collection and shipping kit to participant
 - ACAD REMOTE Saliva Shipping Kit *No Blue Bubble Mailer*



- Each individual site will be responsible for ordering and maintaining a steady supply of kits from NCRAD. We advise sites to keep a supply of each kit type available for scheduled participants.
- Be sure to check your supplies and order additional materials before you run out or supplies expire so you are prepared for study visits.
- Allow **3 weeks** for your order to be processed and delivered.
- 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.



Blood Collection



Blood Collection Schedule



ACAD Blood-Based Biomarker Collection Schedule

| Sample Type | Tube Type | Number of Tubes Supplied in Kit | Aliquot Volume | Tubes to NCRAD | Ship |
|---|---|------------------------------------|---|----------------|--------|
| Whole blood for isolation of serum | Serum Separator (Gold-Top) Blood Collection Tube (5 mL) | | N/A | N/A | N/A |
| | SERUM: 2.0 mL cryovials | 2 | 1.5 mL serum aliquot per 2.0 mL cryovial (red-cap and blue- cap residual) | 2 | Frozen |
| Whole blood for isolation of plasma & buffy coat (for DNA extraction) | EDTA (Purple-Top) Blood Collection Tube (2 x 10 mL) | 2 | N/A | N/A | N/A |
| | PLASMA: 2.0 mL cryovials with purple- cap (residual volume placed in 2.0 mL cryovial with blue cap) | | 1.5 mL plasma aliquot per 2.0 mL cryovial (purple-caps and blue-cap residual) | 7 | Frozen |
| | BUFFY COAT: 2.0 mL cryovial | 2 | 1.0 mL buffy coat aliquot per 2.0 mL cryovial (gray-cap) | 2 | Frozen |



Blood Specimen Labels

Provided by NCRAD



Four Label Types

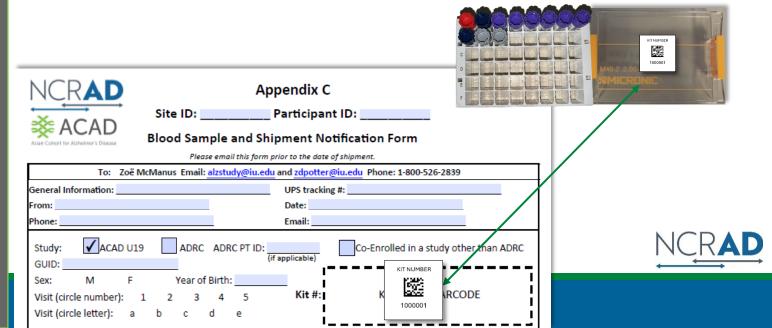




Kit Number Labels



- Used to track patient samples and provide quality assurance – Will be placed on the following locations :
 - Blood Sample and Shipment Notification Form (Appendix C)
 - 2. Lid of cryobox that houses aliquot tubes during storage and shipment
 - 3. One extra label provided



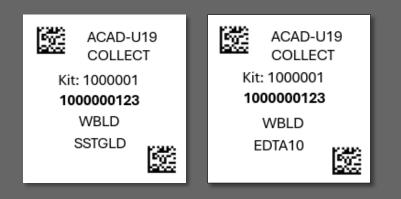
PTID Labels



- Participants will be identified by their PTID.
 - The PTID may only be available shortly before the visit
- Sites will be responsible for handwriting this onto the provided labels
 - Must use fine point permanent marker
 - Write information on label prior to adhering to tube
- Label will be placed on all collection tubes:
 - 1 x Serum Separator (Gold-Top) Blood Collection Tube (5 mL)
 - 2 x EDTA (Purple-Top) Blood Collection Tubes (10 mL)



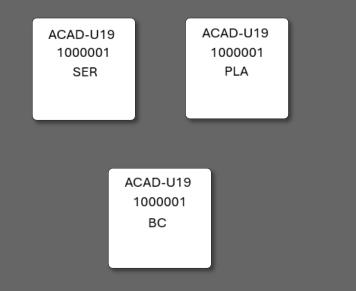
Collection Tube Labels



- Collection Tube Labels have 4 components:
 - Study name
 - COLLECT Indicates the label is for the collection tube
 - Kit number (assigned by NCRAD)
 - Unique to participant AND visit
 - 10-digit specimen number (assigned by NCRAD)
 - Specimen type = WBLD
 - Collection tube type
 - SSTGLD for Serum tube or EDTA10 for Plasma tube
- Label will be placed on all collection tubes:
 - 1 x Serum Separator (Gold-Top) Blood Collection Tube (5 mL)
 - 2 x EDTA (Purple-Top) Blood Collection Tubes (10 mL)



Cryovial Labels



- Only one label to be placed on each cryovial
 - Serum
 - From SST tube
 - Plasma
 - From EDTA tube
 - Buffy Coat
 - From EDTA tube

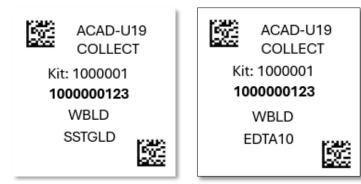
Important: Do not cover barcode that is etched on cryovial.



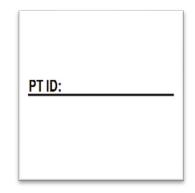


Collection Tube Labels:

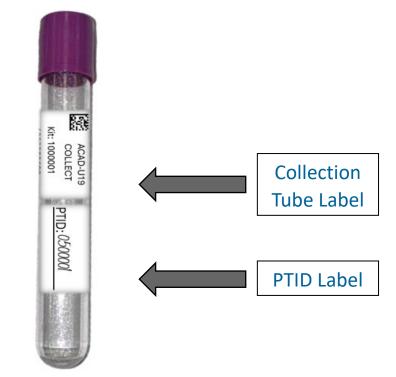
Label 1: Collection Tube Label



Label 2: PTID Label







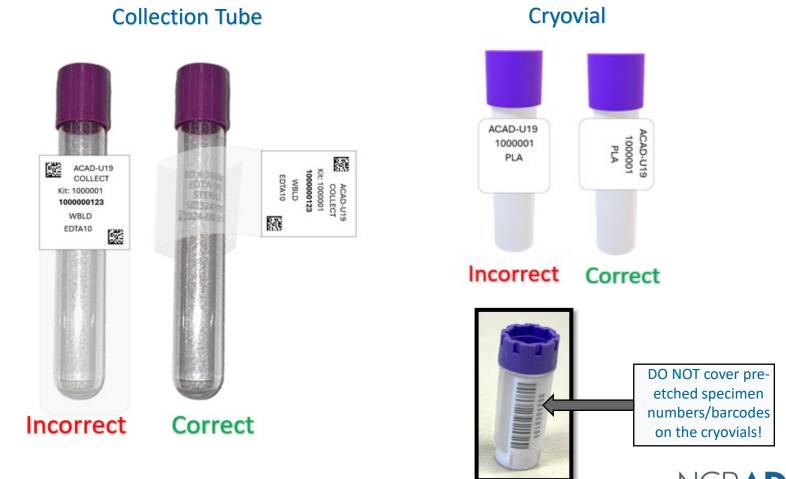
Serum Separator (Gold-Top) Blood Collection Tube (5 mL) EDTA (Purple-Top) Blood Collection Tube (10 mL)



Properly Labeling Biologic Samples:

Please...

- Label all collection and cryovial tubes <u>before</u> cooling, collecting, processing or freezing samples.
- Label only <u>1</u> participant'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 Blood Specimens Serum, Plasma and Buffy Coat



Site Required Equipment

Blood Collection/Safety Equipment

- Personal Protective Equipment: lab coat, nitrile/latex gloves, safety glasses
- > Tourniquet
- Alcohol Prep Pad
- Gauze Pad
- Bandage
- Butterfly needles and hub
- Microcentrifuge tube rack
- Sharps bin and lid
- Wet Ice Bucket
- Wet Ice
- Pelleted dry ice

Processing/Storage/Shipping Equipment

- 1. Centrifuge capable of $\ge 2000 \text{ rcf}$ with refrigeration to $4^{\circ}C$
- 2. -80°C Freezer
- 3. Wet Ice Bucket
- 4. Pelleted dry ice (~45 lbs. per shipment)

Remote Blood Collections ONLY:

- 1. Cold pack chilled at 4^oC
- 2. Paper towel to wrap ice pack



Blood Collection Tubes

| Tube Type | Number of Tubes Drawn | Tube Image |
|--|--------------------------|--|
| Serum Separator (Gold-Top) Blood Collection Tube (5 mL) for Serum | X 1 | Control of the stand of the sta |
| EDTA (Purple-Top) Blood Collection Tube (10 mL) for Plasma and Buffy Coat | X 2 | BID-PCCI2 |



Cryovial Cap Colors

| | | | | 2 |
|------------|--|--|----------------------------------|--------------------------------|
| Cap Color | Sample Type | | 1911521161 | |
| Red-Cap | Serum 1.5 mL serum aliquots per 2.0 mL cryovial | | | |
| Blue-Cap | Serum and Plasma Residual Residual volume placed in 2.0 mL cryovial | | | |
| Purple-Cap | Plasma 1.5 mL plasma aliquots per 2.0 mL cryovial | 2.0 mL 2.0 mL Red-Cap Blue-Cap Cryovial Cryovial | 2.0 mL Purple-Cap Cryovial | 2.0 mL Gray-Cap Cryovial |
| Gray-Cap | Buffy Coat 1.0 mL buffy coat aliquot per 2.0 mL cryovial | | | |



Serum Collection

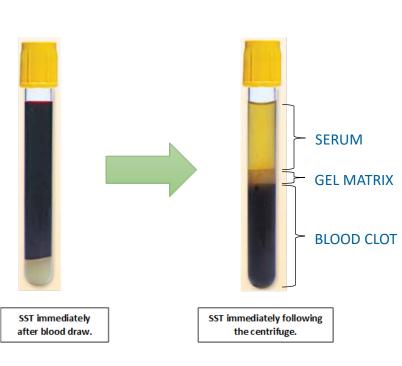




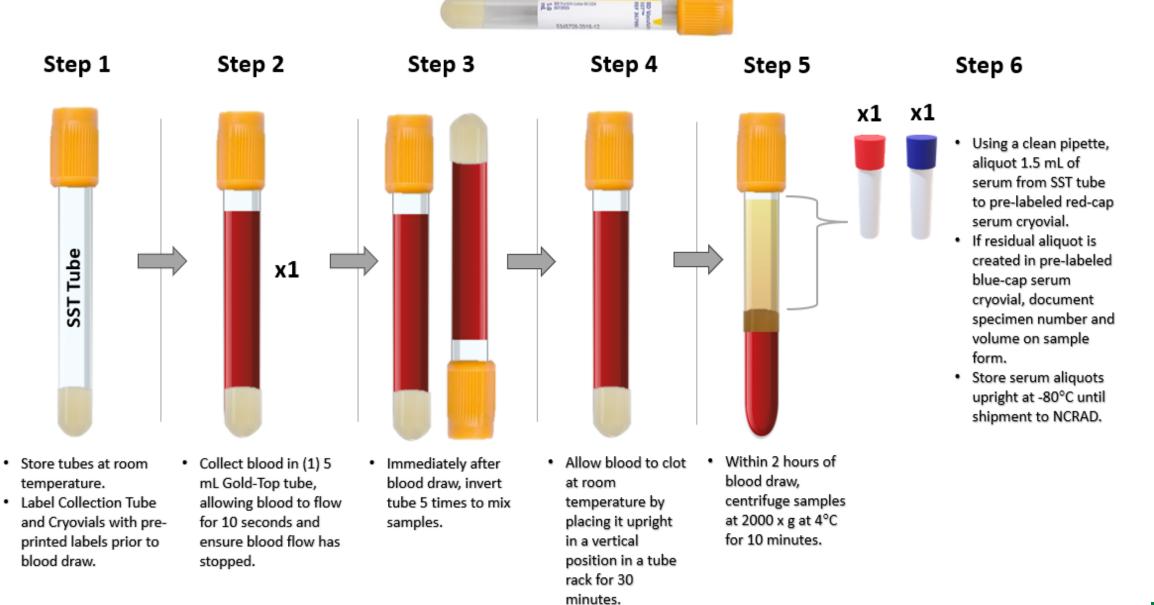
- 1 x Serum Separator (Gold-Top) Blood
 Collection Tube (5 mL) for Serum
 - Create up to (2) 1.5 mL serum aliquots to be shipped to NCRAD
 - If residual aliquot created, document specimen number and volume on sample form



Close up of 2.0 mL Serum Aliquot



Serum Separator (Gold-Top) Blood Collection Tube (5 mL) for Serum x 1



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



Plasma Collection



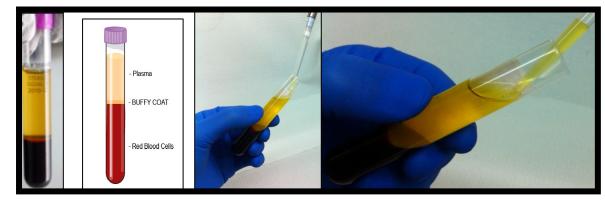


48 slot cryobox with 2.0 mL cryovials – sent to NCRAD

- 2 x EDTA (Purple-Top) Blood Collection Tube (10 mL)
 - Create up to (7) 1.5 mL plasma aliquots to be shipped to NCRAD
 - If residual aliquot created, document specimen number and volume on sample form



Close up of 2.0 mL Plasma Aliquot



NOTE: When pipetting plasma from the plasma tube into the 15 mL conical tube, be very careful to pipette the plasma top layer only, leaving the buffy coat and the red blood cell layers untouched.



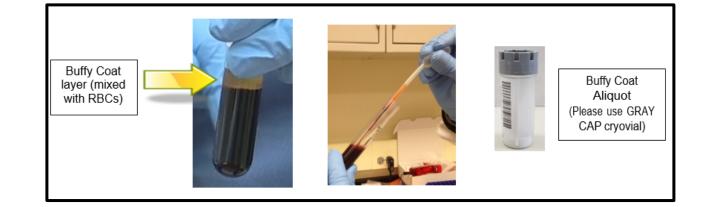
Buffy Coat Collection





48 slot cryobox with 2.0 mL cryovials – sent to NCRAD

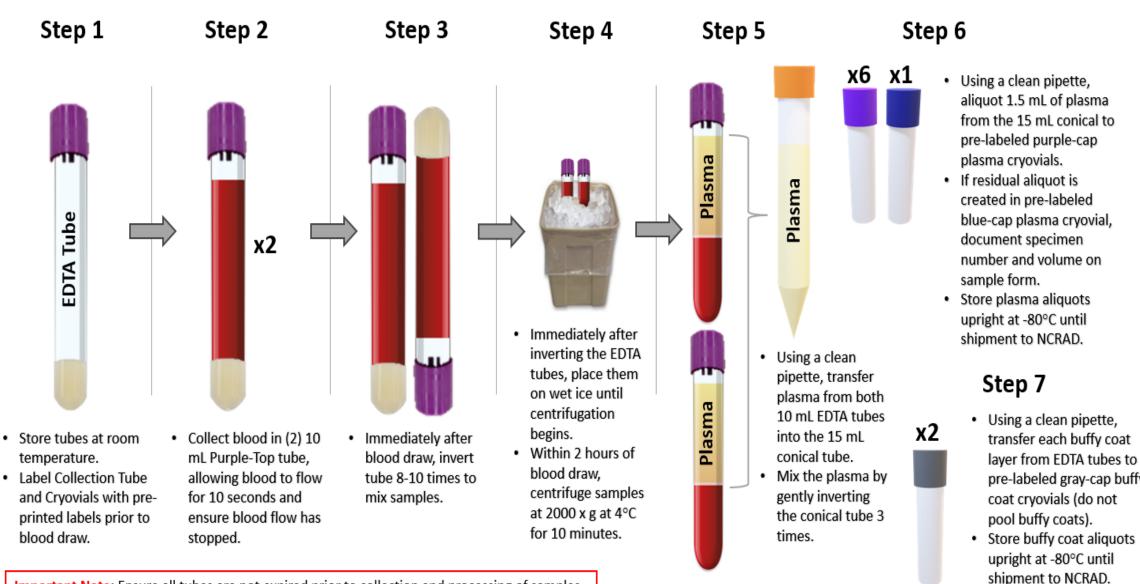
- 2 x EDTA (Purple-Top) Blood Collection Tube (10 mL)
 - Create up to (2) 1.0 mL buffy coat aliquots to be shipped to NCRAD
 - Expected to have a reddish color from the RBCs.
 - Be sure to only place the buffy coat from one EDTA tube into each gray cryovial



NOTE: When pipetting plasma from the plasma tube into the 15 mL conical tube, be very careful to pipette the plasma top layer only, leaving the buffy coat and the red blood cell layers untouched.



EDTA (Purple-Top) Blood Collection Tube (10 mL) for Plasma and Buffy Coat x 2



pre-labeled gray-cap buffy

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



• Keep the samples on 4°C cold pack until you reach the lab for processing.



Incomplete and Difficult Blood Draws

Important Note

If challenges arise during the blood draw process, it is advised that the phlebotomist discontinue the draw. Attempt to process and submit any blood-based specimens that have already been collected to NCRAD.

If blood redraw is not possible, attempt to collect saliva sample to obtain DNA.



Situations may arise that prevent study coordinators from obtaining the total amount scheduled for biospecimens. In these situations, please follow the below steps:

- 1. If the biospecimens at a scheduled visit **are partially** collected:
 - a) Attempt to process and submit any samples that were able to be collected during the visit
 - b) Document difficulties on the 'Biological Sample and ShipmentNotification Form' prior to submission to NCRAD
 - i. Indicate blood draw difficulties at the bottom of the 'Biological Sample and Shipment Notification Form' within the "Notes" section.
 - ii. Complete the 'Biological Sample and Shipment Notification Form' with tube volume approximations and number of aliquots created.
 - c) Contact a NCRAD coordinator and alert them of the challenging blood draw
- 2. If the blood biospecimens at a scheduled visit **are not** collected:
 - 1. See <u>Section 10.0</u> Saliva Collection for instructions on how to collect saliva samples.



Frozen Packaging and Serum, Plasma and Buffy Coat

IMPORTANT!

FROZEN SAMPLES <u>MUST</u> BE SHIPPED MONDAY-WEDNESDAY ONLY! <u>MONDAY-TUESDAY FOR INTERNATIONAL SITES!</u>



Blood Sample Shipment Summary

| Sample Type | Processing/ Aliquoting | Tubes to NCRAD | Ship |
|---|---|----------------|--------|
| Whole blood (Gold-Top SST) for isolation of serum | 1.5 mL serum aliquot per 2.0 mL cryovial (red-cap) Residual volume placed in 2.0 mL cryovials (blue-cap) | Up to 2 | Frozen |
| Whole blood (Purple-Top EDTA) for isolation of plasma & buffy coat (for DNA extraction) | 1.5 mL plasma aliquot per 2.0 mL cryovial (purple-cap) Residual volume placed in 2.0 mL cryovials (blue-cap) | Up to 7 | Frozen |
| | 1.0 mL buffy coat aliquot per 2.0 mL cryovial (gray-cap) | Up to 2 | Frozen |



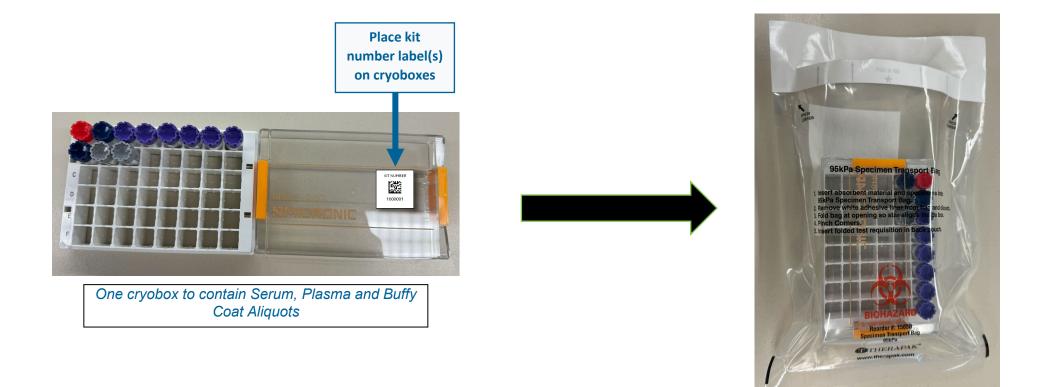
Notify NCRAD When Samples Ship:

- Notify NCRAD of shipment by emailing NCRAD coordinators at: <u>alzstudy@iu.edu</u> and <u>zdpotter@iu.edu</u>
 - Attach the completed Blood Sample and Shipment Notification Form to the email notification. (See Appendix C for an example of the NCRAD sample form)
 - Please include the tracking number in the body of the email.
 - If email is unavailable, please call NCRAD and do not ship until you've contacted and notified NCRAD coordinators about the shipment in advance.
 - Place the completed Blood Sample and Shipment Notification Form (Appendix C) in the package on top of the Styrofoam lid for each patient specimen.



Frozen Shipment Packaging:

Place all frozen labeled aliquots of serum, plasma and buffy coat in the cryoboxes.



Place up to 2 serum, 7 plasma and 2 buffy coat cryovials per participant visit inside 48 cell cryobox. Place cryobox in the clear plastic biohazard bag (do NOT remove the absorbent material found in the bag) and seal according to the instructions on the bag to ship to NCRAD frozen.



Frozen Batch Shipping

• Batch shipping should be performed <u>every 3 months</u> or when specimens from <u>8 participants accumulates</u>, whichever is sooner.



Large Frozen Shipper: ** 45 lbs. of dry ice pellets <u>AND</u> Fits up to 8 x 48-slot cryoboxes



Small Frozen Shipper: **10 lbs. of dry ice pellets <u>AND</u> Fits up to 2 x 48-slot cryoboxes



Frozen Shipment Packaging

- Place 2-3 inches of pelleted dry ice in the bottom of the Styrofoam shipping container, then insert the cryoboxes laying upright.
- Fully cover the cryoboxes with about 2 inches of pelleted dry ice in the provided shipper.
- Each Styrofoam shipper must contain about 45 lbs (20 kg) of pelleted dry ice.
- Fill shipper to the top with pelleted dry ice!



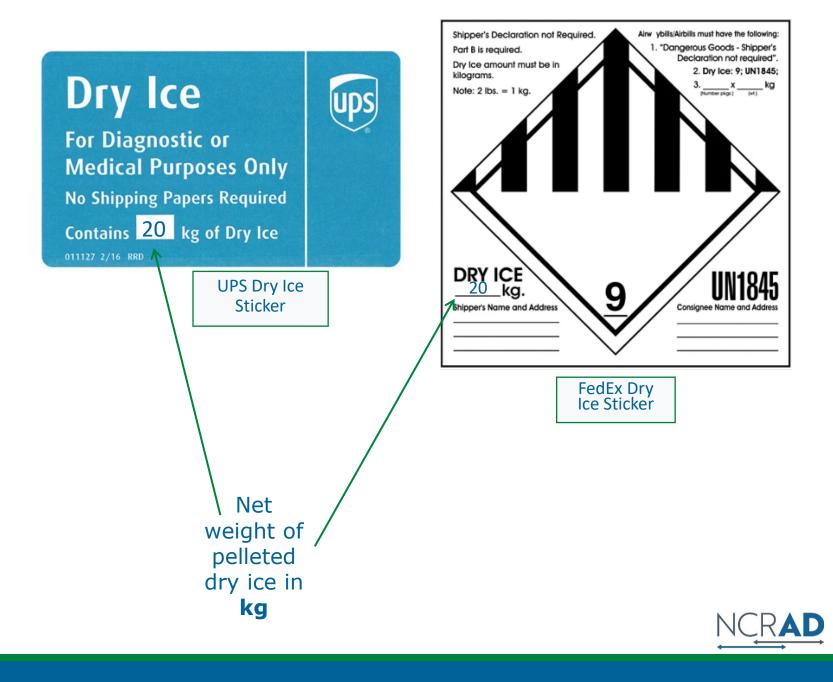


Frozen Shipping Dry Ice Requirements

Failure to do the following will result in shipping carrier rejecting/returning your package!

1.Net weight of pelleted dry ice in kg (must match amount on the airbill)!

2. Dry Ice label should not be covered with other stickers and must be completed (see right)!



Critical Frozen Shipping Instructions

1. Hold packaged samples in -80°C freezer until time of pick-up/dropoff.

2. Frozen shipments should be shipped <u>Monday - Wednesday ONLY</u> to avoid shipping delays on Thursday or Friday. <u>Monday - Tuesday for</u> <u>INTERNATIONAL SITES!</u>

BE AWARE OF HOLIDAYS and current weather conditions!

3. Notify NCRAD of sample shipment the day you ship for tracking purposes.

4. Remember to complete the requisition forms and include a copy in your shipment with the samples: Blood Sample and Shipment Notification (Appendix C).

5. <u>Do not ship blood in same container as saliva as the saliva should</u> <u>be at ambient temperature and not frozen.</u>



Saliva Collection



National Centralized Repository for Alzheimer's Disease and Related Dementias

Saliva Collection Schedule

If not able to collect blood samples for a participant, Saliva can be collected for DNA extraction



National Centralized Repository for Alzheimer's Disease and Related Dementias

ACAD Saliva Collection Schedule

| Sample Type | Tube Type | Number of Tubes Supplied in Kit | Tubes to NCRAD | Volume | Ship |
|------------------------------|---|---------------------------------------|-------------------|--|---------|
| Saliva for DNA extraction | Oragene Saliva Collection Tube (OG-500) | 1 | 1 | 2.0 mL of Saliva collected in each 4.0 mL tube | Ambient |

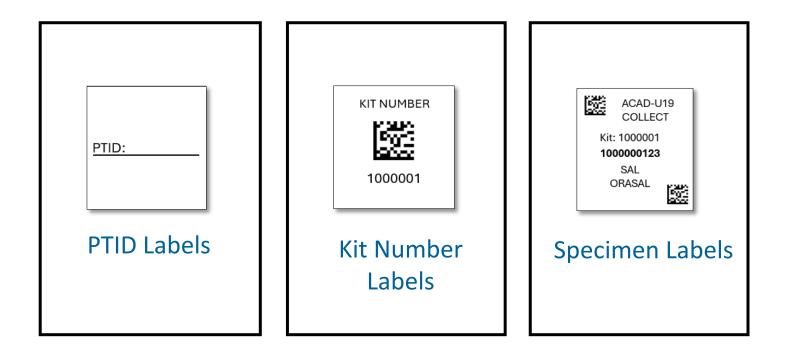


Saliva Specimen Labels

Provided by NCRAD



Three Label Types





PTID Labels

- participants will be identified by their PTID.
 - The PTID may only be available shortly before the visit
- Sites will be responsible for handwriting this onto the provided labels
 - Must use fine point permanent marker
 - Write information on label prior to adhering to tube
- Label will be placed on all collection tubes:
 - Oragene Saliva Collection Tube (OG-500)



Kit Number Labels



- Used to track patient samples and provide quality assurance – Will be placed on the following locations :
 - Saliva Sample and Shipment Notification Form (Appendix D)
 - 2. 2 extra labels provided

| NCRAD | | Appendix | | |
|--------------------------------------|----------------------|-----------------------|---------------------------|----------|
| | Site ID: | Participant | ID: | |
| 🔆 ACAD | Saliva Sampl | e and Shipment | Notification Form | |
| Asian Cohort for Alzheimer's Disease | Please email | this form prior to th | e date of shipment. | |
| To: Zoë McN | Aanus Email: alzstud | y@iu.edu and zdpo | tter@iu.edu Phone: 1-800- | 526-2839 |
| General Information: | U | PS tracking #: | | |
| From: | | Date: | | |
| Phone: | | Email: | | |
| | | | | |
| | | Specimen | KIT NUMBER | |
| Study: ACAD U19 GUID: | | specimen | | |
| Study: ACAD U19 GUID: | /02 | Label: | | |



Specimen Labels

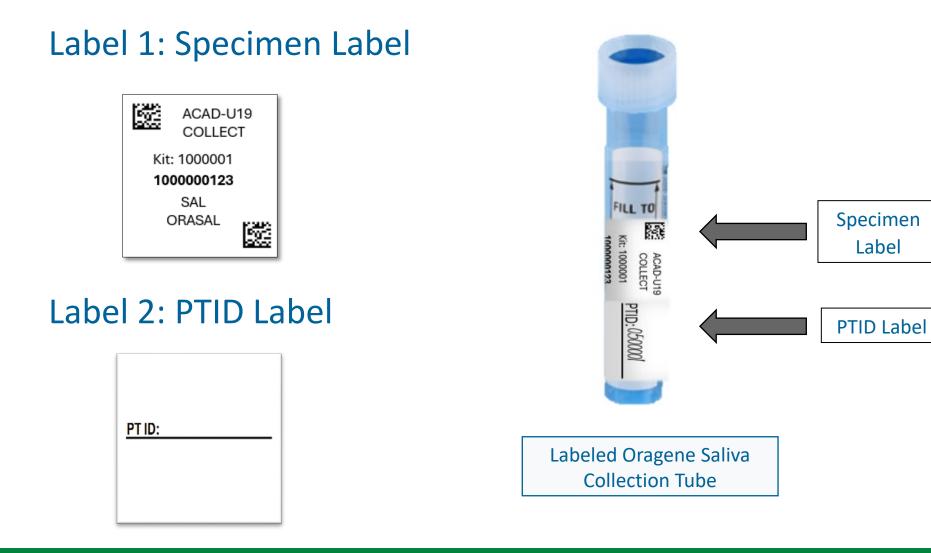


Specimen Labels have 4 components:

- Study name
- COLLECT Indicates the label is for the collection tube
- Kit number (assigned by NCRAD)
 - Unique to participant AND visit
- 10-digit specimen number (assigned by NCRAD)
- Specimen type = SAL
- Collect tube type
 - ORASAL for Saliva tube
- Label will be placed on all collection tubes:
 - Oragene Saliva Collection Tube (OG-500)
 - Saliva Sample and Shipment Notification Form (Appendix D)



Oragene Saliva Collection Tube Labels:

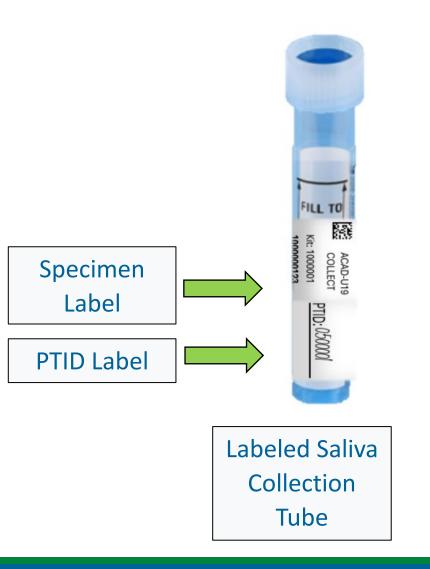


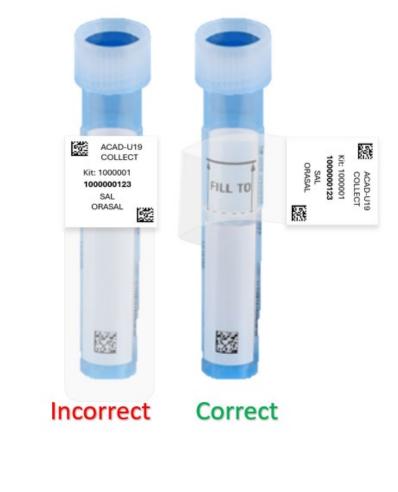


Properly Labeling Saliva Samples:

Please...

- Label saliva tubes *before* sample collection.
- Label only <u>1</u> participant's tubes at a time to avoid mix-ups.
- Wrap the label around the tube <u>horizontally</u>. Place barcode toward the tube cap AND below the "Fill To" line.
 - Label position is important for <u>all</u> tube types.
- Make sure the label is completely adhered by rolling between your fingers.



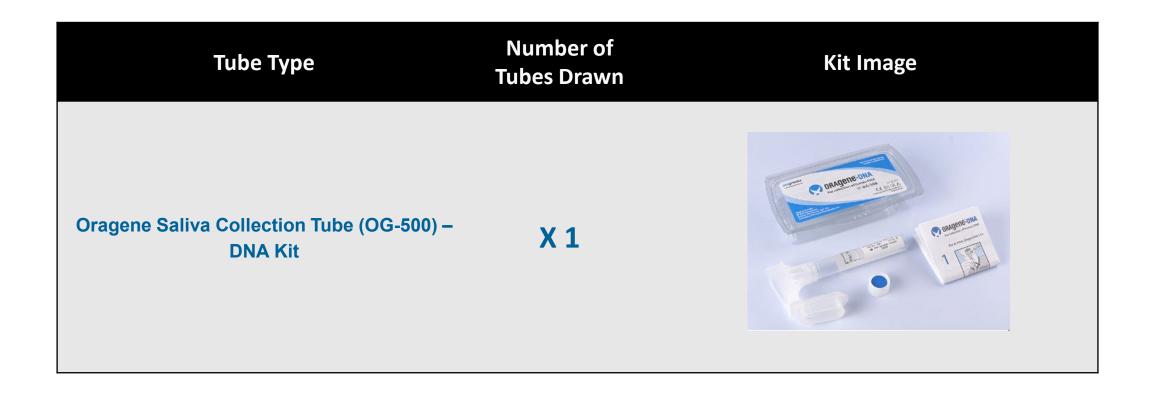




Handling/Processing Study Saliva Specimens



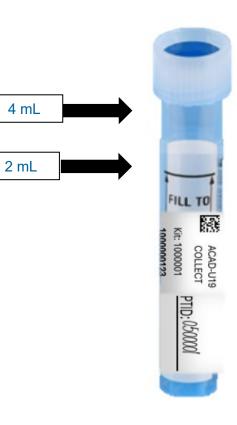
Saliva Collection Kit





Critical Saliva Collection Instructions:

- <u>Do NOT remove plastic film from the lid.</u>
- Participant should not eat, drink, smoke, chew gum or brush teeth for 30 minutes prior to giving sample.
- Participant does NOT need to rinse their mouth prior to giving the sample.
- Do not over-fill the saliva tube as tubes can leak during shipment, resulting in a loss of sample.





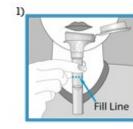
Saliva Collection Preparation Tips:

- Most people take between 2 and 5 minutes to deliver a saliva sample. If the participant finds it difficult to produce a sample, instruct them to relax and rub their cheeks gently for 30 seconds to generate saliva.
- Some other helpful hints to increase saliva output:
 - Hydrate before collection. Drink at least one large glass of water prior to collection must be done at least 30 minutes prior to collection (be mindful to explain they should not eat/drink 30 minutes before giving the sample).
 - Smelling appealing aromas, such as citrus fruits, can help with saliva production
 - Telling participant to take their time filling the tube. Most participants take just a few minutes to complete, but those with dry mouth might need to take longer and shouldn't feel rushed.



Saliva Collection Procedure:

Saliva Collection Instructions - (link)

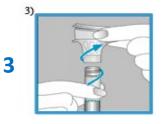


1

Do NOT remove the plastic film from the lid of the container. Spit into funnel until the amount of liquid saliva (not including bubbles) reaches the fill line shown in picture #1. <u>Note</u>: The saliva tube has a false bottom, so you will only need to provide 2 ml of saliva to reach the fill line. Do NOT fill above the line.

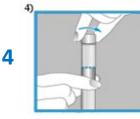


After collection, hold the tube upright with one hand and close the funnel lid with the other hand (as shown) by firmly pushing the lid until you hear a loud click. The liquid in the lid will be released into the tube to mix with the saliva. Make sure that the lid is closed tightly.



Hold the tube upright. Unscrew the funnel from the tube.

DNAgenotek



Pick up the small cap for the tube. Use the small cap to close the tube tightly. Discard the funnel.



6

Shake the capped tube for 5 seconds.

Complete the Saliva Sample and Shipment Notification Form(s) (Appendix D) and include in shipment with saliva sample(s).



Video of Saliva Collection Procedure:

• The following training video is available to assist you with the saliva collection:

http://www.dnagenotek.com/ROW/support/ciOG500.html



Ambient Packaging and Shipping Instructions Saliva

IMPORTANT!

AMBIENT SAMPLES <u>MUST</u> BE SHIPPED MONDAY-THURSDAY ONLY!

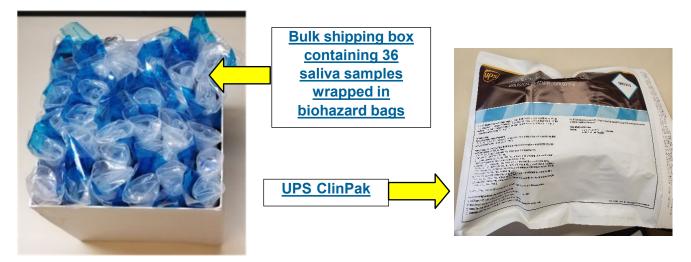


Notify NCRAD When Samples Ship:

- Notify NCRAD of shipment by emailing NCRAD coordinators at: <u>alzstudy@iu.edu</u> and <u>zdpotter@iu.edu</u>
- > Attach the following to the email:
 - Completed Saliva Sample and Shipment Notification Form to the email notification. (See Appendix D for an example of the NCRAD sample form)
 - If email is unavailable, please call NCRAD and do not ship until you've contacted and notified NCRAD coordinators about the shipment in advance.
 - $\,\circ\,$ Please include the tracking number in the body of the email.
 - Place physical copy of the filled out Saliva Sample and Shipment Notification (Appendix D) in your shipment.



Ambient Shipping Instructions: Saliva



- 1. Place saliva sample into the provided biohazard bag with absorbent sheet. Seal biohazard bag according to the instructions on the bag.
- 2. Roll packaging around the tube and place sample into the provided Bulk Saliva Shipping Box for batch shipping.
- 3. Place bulk shipping box containing 36 saliva samples inside UPS ClinPak.
- 4. Place Exempt Human Specimen label and UPS shipping airbill on the outside of the ClinPak ensuring no labels are covered.
- 5. Include completed Saliva Sample and Shipment Notification Form(s) (Appendix D) inside ClinPak with samples.
- 6. Use UPS tracking to ensure delivery occurs.



Ambient Saliva Shipping Instructions – **Remote Draws:**



- 1. If remote draw, place sample inside biohazard bag with absorbent sheet and then place inside small bubble mailer.
- 2. Place Exempt Human Specimen label and prepaid USPS shipping airbill on the outside of the bubble mailer ensuring no labels are covered.
- 3. Include completed Saliva Sample and Shipment Notification Form (Appendix D) inside bubble mailer with sample.



Critical Ambient Shipping Instructions Saliva

1. SHIP ALL AMBIENT SAMPLES MONDAY - THURSDAY ONLY. BE AWARE OF HOLIDAYS.

BE AWARE OF INCIPIENT INCLEMENT WEATHER THAT MAY DELAY SHIPMENT/DELIVERY OF SAMPLES.

2. Notify NCRAD of sample shipment the day you ship for tracking purposes.

3. Place physical copy of the completed Saliva Sample and Shipment Notification Form(s) (Appendix D) inside the ClinPak or bubble mailer.

4. <u>Do not ship saliva in same container as blood as the saliva should</u> <u>be at ambient temperature and not frozen.</u>



Creating Airbills/Scheduling Pickups via ShipExec Frozen and Ambient Shipments



Log into the ShipExec Thin Client: https://kits.iu.edu/UPS

UPS ShipExec[™] Thin Client Website

Click on the "Shipping" dropdown and click on "Shipping and Rating"



Finding Your Contact Information

- On the right side of the screen, choose the name of your study from the "Study Group" drop down menu
 - This step <u>must</u> be done 1st

| | Shipment Inf | ormation | | |
|-----------------------|--------------|----------------------|----|---|
| Study Group | | | | ~ |
| Weight | | | LB | ~ |
| Dry Ice Weight | | | LB | * |
| Description of Return | | Biological Specimens | | |
| Pickup Request | | | | |

 On the left side of the screen, Click on the magnifying glass icon

| | Ship From |
|-------------------|-----------|
| Q | Clear |
| Code | |
| Company | |
| Contact | |
| Address 1 | |
| Address 2 | |
| Address 3 | |
| City | |
| State/Province | |
| Postal Code | |
| Country/Territory | ~ |



Finding Your Contact Information

- On the right side of the screen, a list of all the site addresses within the study you selected should populate
- User can filter the search for their address further by filling in the "Company", "Contact", or "Address 1" fields
- Hit "Search" when ready.
- Once you have found your site address, click on the "Select" button to the left of the address
- If any information needs to be updated, please reach out to the NCRAD Coordinator of your study

| S | Select add | ress book | | Action | Code ≑ | Company \$ | ç |
|--|-------------|-----------------|---|--------|------------|---|--------------|
| Address Book RETURNS | | Type Company | | Select | ACAD 05 | Centre for Addiction and Mental Health (Univ. of Toronto) | V H (1 |
| Group Code Company Contact | acad | | | Select | ACAD 08 | UCSD | А |
| Address 1 Address 2 Address 3 | | | | Select | ACAD 03 | UCSF Weill Institute for Neurosciences, Memory and Aging Center | |
| City State/Province Postal Code Country/Territory | | | × | Select | ACAD 03 | UCSF Weill Institute for Neurosciences, Memory and Aging Center | ĸ |
| Email Phone Fax | Account / 1 | Fax . | | Select | ACAD 02 | University of Massachusetts - Boston | F L |
| Clear QSearch | | | | Select | ACAD 05 | Centre for Addiction and Mental Health | E C |

Verify Information

• Please verify that both the shipping information AND Study Group are correct for this shipment

| | Ship From | Shipment Int | ormation | | |
|-------------------|---|-----------------------|----------------------|----|---|
| | | Study Group | ACAD | | ~ |
| Q | Clear | Weight | | LB | ~ |
| Code | ACAD 05 | Dry Ice Weight | | LB | ~ |
| Company | Centre for Addiction and Mental Health (Univ. of Toronto) | Description of Return | Biological Specimens | | |
| Contact | Wai Haung (Ho) Yu | Pickup Request | | | |
| Address 1 | 250 College St. | | | | |
| Address 2 | Room 202 | | | | |
| Address 3 | | | | | |
| City | Toronto | | | | |
| State/Province | ON | | | | |
| Postal Code | M5T1R8 | | | | |
| Country/Territory | Canada 🗸 | | | | |



Entering Shipment Information

• Frozen shipments

- Enter the total weight of your package in the "Weight" field
- Enter the dry ice weight in the "Dry Ice Weight" field
- The "Dry Ice Weight" field cannot be higher than the "Weight" field (will receive an error message)

• Ambient shipments

 Enter the total weight of your package in the "Weight" field and leave the "Dry Ice Weight" field empty.

| Shipment Inf | formation | | |
|-----------------------|----------------------|----|---|
| Study Group | ACAD | | ~ |
| Weight | 50 | LB | ~ |
| Dry Ice Weight | 45 | LB | ~ |
| Description of Return | Biological Specimens | | |
| Pickup Request | | | |

| Shipment Info | ormation | | |
|-----------------------|----------------------|----|---|
| Study Group | ACAD | | ~ |
| Weight | 1 | LB | ~ |
| Dry Ice Weight | | LB | ~ |
| Description of Return | Biological Specimens | | |
| Pickup Request | | | |
| | | | |

Need to request UPS Pickup?

- Click on the "Pickup Request" button
- Fill out all fields for the pickup request
- Enter in the "Earliest Time Ready" and "Latest Time Ready" in 24-hour format
 - Users must schedule pickup minimum 1 hour before "Earliest Time Ready".
 - "Earliest Time Ready" has to be after current time of day even if scheduling pickup for later date.
 - Users will get an error if attempting to schedule pick-up after institution's closing time.
- Choose a name and number that is the best to contact if the UPS driver has questions related to picking up your package
- Entering the Room Number and Floor will help the UPS driver locate your package
 - Room number field is free text
 - Floor field is numerical only
- Hit "Save" when done

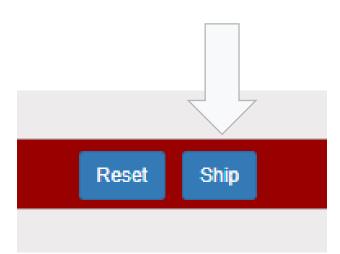
| Shipment Inf | ormation | | |
|-----------------------|----------------------|----|---|
| Study Group | ACAD | | ~ |
| Weight | 50 | LB | ~ |
| Dry Ice Weight | 45 | LB | ~ |
| Description of Return | Biological Specimens | | |
| Pickup Request | | | |

| Pickup Date | 2022-09-27 | <u> </u> |
|---------------------|------------------------|----------|
| Earliest Time Ready | 17:00 | |
| Latest Time Ready | 17:30 | |
| Contact Name | Melissa Baer | |
| Contact Phone | 555-555-5555 | |
| Payment Method | Pay by shipper account | ~ |
| Room Number | 718 | |
| Floor | 7 | |
| | | |



Shipping Packages

 If all fields in "Ship From" and "Shipment Information" fields are completed, and pickup request is completed (if necessary), click Ship in the bottom right corner of the page





Accessing Airbill

Shipment Receipt

| ShipExec™ Shipm | ient Receipt | | |
|---|---------------------------|------------------------|---------|
| Transaction Date: Tue: | sday, December 8, 2020 | Pickup No: 2929602E9CP | |
| Address Information | | | |
| Ship To: | Shipper: | Ship From: | |
| John Smith | lugb | lugb | |
| Indiana Unversity | Iu School Of Medicine | lu School Of Medicine | |
| 980 W. Walnut Street | 351 W 10Th St | 351 W 10Th St | |
| Indianapolis, IN 46202 | Indianapolis, IN 46202 | Indianapolis, IN 46202 | |
| | | | |
| Shipment Information | | | |
| Shipment Information Service: | UPS Next Day Air (UPS Ada | pter) | |
| Shipment Information Service: Package Information | UPS Next Day Air (UPS Ada | pter) | |
| Service: | | | ed Valu |

 Check Pickup Status by going to UPS.com, click on the Shipping, select Schedule a Pickup, and look on the right side of screen to click on "Pickup Request Status". Enter in the Pickup No. listed on receipt into PRN field and submit

Airbill





Accessing Airbill

- Print out the UPS air waybill
- Fold the UPS air waybill and slide it inside the plastic UPS sleeve (NCRAD will provide these in kit requests upon request).
- Peel the back off the plastic UPS sleeve and stick the sleeve to your package, making sure it is laying as flat as possible along the surface of the package.

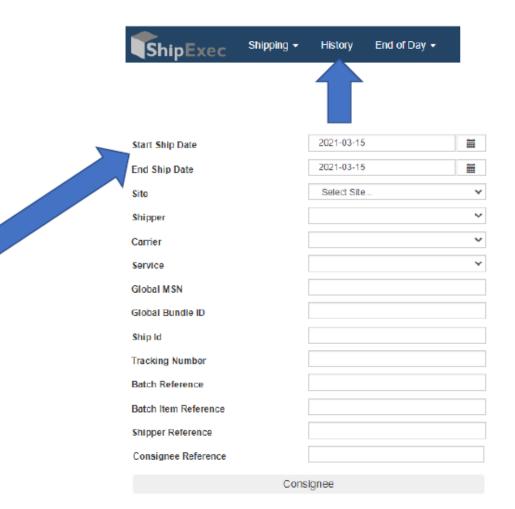




Reprint Airbills/Voiding Shipments

 To reprint airbill or void a shipment, click "History" at the top of the ShipExec Thin Client portal

 If your shipment doesn't automatically pop up, enter in the date of shipment and then click "Search"



Show Misc References



Reprint Airbill

Click the print icon to reprint airbill

| Action Glo | obal | Shipper | Consignee | Ship | Weight | Rated | Dimension |
|------------------|-----------------------|------------------------|-----------|-------------------|--------|---------------------|-----------|
| | SN Tracking Number ≑ | Reference [‡] | Reference | Date [‡] | ≑ | Weight [≑] | ≑ |
| Q 🖸 🚔 950 | 06 1Z976R8W8430841976 | | 6683830 | 2020- 12-08 | 20 LB | 20 LB | |



Void Shipment

To void a shipment, click on the "X" symbol

| Action | Global MSN | Tracking Number \$ | Shipper Reference [‡] | Consignee Reference | Ship Date [≑] | Weight ≑ | Rated Weight [≑] | Dimension ≑ |
|--------|---------------|---------------------------|-----------------------------------|------------------------|---------------------------|-------------|------------------------------|----------------|
| Q 🙆 🚔 | 9506 | 1Z976R8W8430841976 | | 6683830 | 2020- 12-08 | 20 LB | 20 LB | |



Creating a ShipExec Account

- Please email the NCRAD Coordinator if you do not have a ShipExec Account:
 - Zoë Potter zdpotter@iu.edu
- Once your ShipExec account is created, you will get an email from <u>noreply@shipexec.com</u>. This email will have a temporary password in the body of the email. Login using this password.
- You will then be prompted to reset your password.
- Look in your junk folder in case the email is being incorrectly flagged.



International Shipping Instructions



International Shipping Instructions -ShipExec

- 1. Log into the ShipExec[™] Thin Client at <u>ShipExec^{™™} Thin Client</u>.
- 2. All international shipments will utilize the same packing requirements as specified in <u>Section 9.0</u> and <u>Section 10.5 (slides 62-68)</u> (Frozen and Ambient Shipping Instructions).
- 3. Two components are necessary for international shipments:
 - 1. International UPS return airbill
 - 2. International Commercial Invoice



International Shipping Instructions – ShipExec (cont.)

- Follow ShipExec[™] Frozen and Ambient Shipping Instructions, steps 1 7, specified in Section 9.2 and Section 10.5.2. (Slides 62-68):
 - a. Once you click 'Ship', the following documents will automatically be created/downloaded:
 - i. UPS Package Label
 - ii. UPS Commercial Invoice
 - iii.ShipExec™ Return Shipment Receipt



Commercial Invoice:

- 1. Open the UPS Commercial Invoice:
 - 1. Ensure all information is correct.
 - 2. Fill in the harmonization code (see below example):

| | | | | | _ | | | |
|-------|-----|---------------------------|------|-----------|-------|------------|------------|-------------|
| Units | U/M | Description of Goods/Part | ю. | Harm.Code | С/Т/О | \searrow | Unit Value | Total Value |
| 1 | PC | Biological Specimens | 3002 | .12.00.90 | CA | \bigcirc | 150 | 150 |

i. Human Serum, Plasma and Buffy Coat: 3002.12.00.90

<u>OR</u>

- i. Human Saliva: 3002.90.90
- 3. Enter the following in 'Additional Comments' section:
 - i. Reason for export: Medical Research. Samples are for laboratory research purposes only and are not for use in live human nor animal research. Samples are non-dangerous, non-toxic, and non-infectious. Samples not intended for human nor animal consumption. This shipment does not contain animal products or byproducts. I declare that the information mentioned above is true and correct to the best of my knowledge.



Printing Commercial Invoice and Airbill:

- Print, sign and date 3 copies of the UPS Commercial Invoice. Fold in half.
 i. Use blue pen only
- 2. Print 1 copy of UPS Package Label (airbill). Fold in half.
- 3. Place airbill on top of 3 completed copies of the commercial invoice. Place papers inside an airbill sleeve and adhere to the shipping box.



Critical International Shipping Instructions

1. SHIP ALL AMBIENT SAMPLES <u>MONDAY - THURSDAY</u> ONLY. BE AWARE OF HOLIDAYS.

2. INTERNATIONAL SITES SHIP ALL FROZEN SAMPLES <u>MONDAY - TUESDAY</u> ONLY. BE AWARE OF HOLIDAYS.

3. BE AWARE OF INCIPIENT INCLEMENT WEATHER THAT MAY DELAY SHIPMENT/DELIVERY OF SAMPLES.

4. Notify NCRAD of sample shipment the day you ship for tracking purposes.

5. Place physical copy of the completed Sample and Shipment Notification Form(s) inside the ClinPak or bubble mailer.

6. <u>Do not ship saliva in same container as blood as the saliva should</u> be at ambient temperature and not frozen.

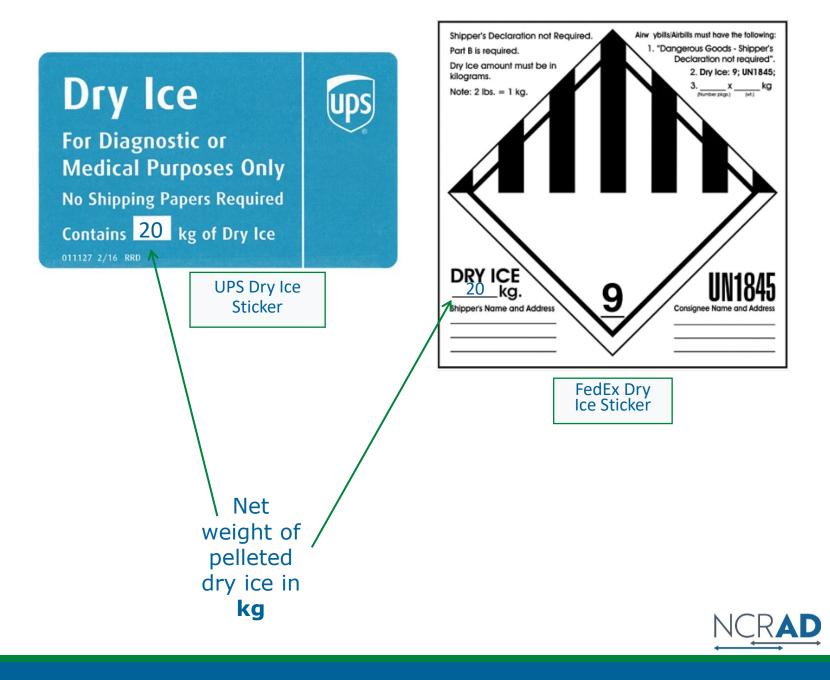


Frozen Shipping Dry Ice Requirements

Failure to do the following will result in shipping carrier rejecting/returning your package!

1.Net weight of pelleted dry ice in kg (must match amount on the airbill)!

2. Dry Ice label should not be covered with other stickers and must be completed (see right)!

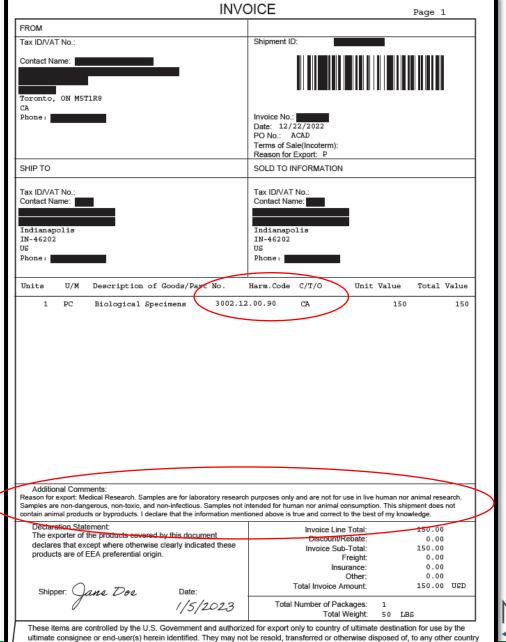


Additional Resources:

1.UPS International Customer Service Center: <u>1-800-782-7892</u> 2.<u>Commercial Invoice How-to Guide</u>



Example International Commercial Invoice



or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated

into items, without first obtaining approval from the U.S. government or as authorized by U.S. law and regulations.



Sample Forms



<u>Appendix A:</u> GUID Demographics Form

Appendix A: GUID Demographics Form

Please be certain to collect the following demographic information to generate a GI Identifier. **Do NOT** return this information to NCRAD. Only send the GUID to NCRA

- Compete legal given (first) name of participant at birth: ______
- Complete additional (middle) name or names at birth: _____
- Complete legal family (last) name of participant at birth: _____
- 4. Suffix: _____
- 5. Date of Birth: _____
- Name of city/municipality in which participant was born: _____
- 7. Country of birth:

| NCRAD | | Appendix C | |
|--------------------------------------|--|----------------------------|--|
| | Site ID: | Participan | t ID: |
| Asian Cohort for Alzheimer's Disease | Blood Sample and | d Shipment No | tification Form |
| | Please email thi | s form prior to the date o | of shipment. |
| To: Zoë | McManus Email: alzstudy@ | iu.edu and zdpotter@ | <u>piu.edu</u> Phone: 1-800-526-2839 |
| General Information: | | UPS tracking | g #: |
| From: | | Date: | |
| Phone: | | Email: | |
| Study. ACAD U: | 19 ADRC ADRC P | T ID: | Co-Enrolled in a study other than ADRC |
| Sex: M F Visit (circle number): | Year of Birth: 1 2 3 4 5 b c d e | · · · · · | KIT LABEL/BARCODE |
| 1 | | | |

| | Appendix D | |
|--------------------------------------|--|------------------------------|
| NCRAD | Site ID: Participant ID: | |
| 🔆 ACAD | Saliva Sample and Shipment Not | ification Form |
| isian Cohort for Alzheimer's Disease | Please email this form prior to the date | of shipment. |
| To: Zoë McM | lanus Email: alzstudy@iu.edu and zdpotter@ | iu.edu Phone: 1-800-526-2839 |
| General Information: | UPS tracking #: | |
| From: | Date: | |
| Phone: | Email: | |
| | | |
| | Sperimen | |
| Study: ACAD U19 GUID: | | |
| | | KIT LABEL/BARCODE |



See slides 4-6 or Section 4.0 of the Manual of Procedures for more information.

<u>Appendix B:</u> Rate of Centrifuge Worksheet

You are not required to send this to the NCRAD Study Coordinator. This is a tool to help calculate rate of centrifuge.

Appendix B: Rate of Centrifuge Worksheet

Please complete and return this form by fax or email to the NCRAD Project Manager if you have any questions regarding sample processing. The correct RPM will be sent back to you. You can also use online calculators like this one -

https://www.sigmaaldrich.com/CA/en/support/calculators-and-apps/g-force-calculator

For this, you will need RPM Radius of rotor – Distance from center to middle of bucket

Submitter Information

Name: Submitter e-mail: Site:

Centrifuge Information Please answer the following questions about your centrifuge.

Centrifuge Type Fixed Angle Rotor:

Swing Bucket Rotor: 🗆

Radius of Rotation (mm):

Determine the centrifuge's radius of rotation (in mm) by measuring distance from the center of the centrifuge spindle to the bottom of the device when inserted into the rotor (if measuring a swing bucket rotor, measure to the middle of the bucket).

Calculating RPM from G-Force:

$$RCF = \left(\frac{RPM}{1,000}\right)^2 \times r \times 1.118 \quad \Rightarrow \quad RPM = \sqrt{\frac{RCF}{r \times 1.118}} \times 1,000$$

RCF = Relative Centrifugal Force (G-Force)

RPM = Rotational Speed (revolutions per minute)

R= Centrifugal radius in mm = distance from the center of the turning axis to the bottom of centrifuge

Comments:

Please send this form to NCRAD Study Coordinator



alzstudy@iu.edu

<u>Appendix C:</u> Blood Sample and Shipment Notification Form

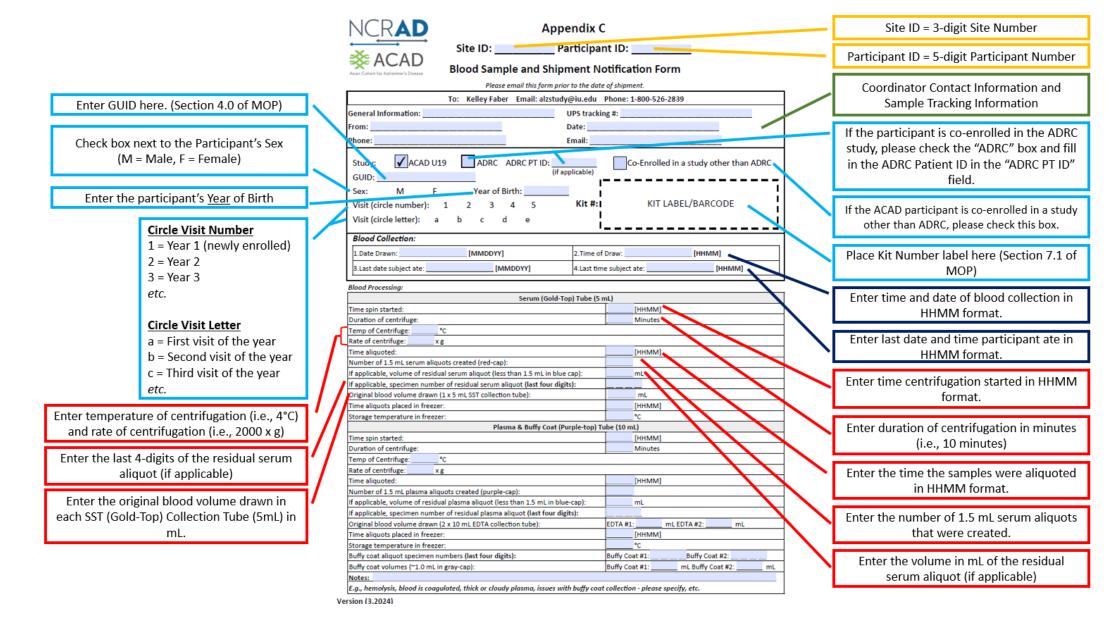
Note:

Please ensure forms are filled out in their entirety. Complete during the participant study visit as samples are processed to guarantee accuracy.

NCRAD Appendix C Site ID: Participant ID: ACAD Blood Sample and Shipment Notification Form Please email this form prior to the date of shipment. To: Zoë McManus Email: alzstudy@iu.edu and zdpotter@iu.edu Phone: 1-800-526-2839 General Information: UPS tracking # From: Date: Email: Phone ACAD U19 ADRC ADRC PT ID: Study: Co-Enrolled in a study other than ADRC (if applicable) GUID Sex: Kit #: KIT LABEL/BARCODE Visit (circle number) Visit (circle letter): Blood Collection: [MMDDYY] 2.Time of Draw: [HHMM] 1.Date Drawn [MMDDYY] [HHMM] 3.Last date subject ate 4.Last time subject ate Blood Processing Serum (Gold-Top) Tube (5 mL) [HHMM] Time spin started: Minutes Duration of centrifuge: Temp of Centrifuge °C Rate of centrifuge: хe Time aliquoted: [HHMM] Number of 1.5 mL serum aliquots created (red-cap) If applicable, volume of residual serum aliquot (less than 1.5 mL in blue cap): mL f applicable, specimen number of residual serum aliquot (last four digits): Original blood volume drawn (1 x 5 mL SST collection tube) mL [HHMM] Time aliquots placed in freezer °C Storage temperature in freezer: Plasma & Buffy Coat (Purple-top) Tube (10 mL) Time spin started: [HHMM] Duration of centrifuge: Minutes Temp of Centrifuge °C Rate of centrifuge хg [HHMM] Time aliquoted Number of 1.5 mL plasma aliquots created (purple-cap): f applicable, volume of residual plasma aliquot (less than 1.5 mL in blue-cap) mL f applicable, specimen number of residual plasma aliquot (last four digits) EDTA #1: mL EDTA #2: Original blood volume drawn (2 x 10 mL EDTA collection tube Time aliquots placed in freezer: [HHMM] °C Storage temperature in freezer: Buffy Coat #1 Buffy Coat #2: Buffy coat aliquot specimen numbers (last four digits): Buffy coat volumes (~1.0 mL in gray-cap) Buffy Coat #1: mL Buffy Coat #2: mL Notes E.g., hemolysis, blood is coagulated, thick or cloudy plasma, issues with buffy coat collection - please specify, etc. Version (3.2024)



ACAD Blood Form Guide (Page 1)



ACAD Blood Form Guide (Page 2)

| | Appendix of the second | Int ID: otification Form te of shipment. Phone: 1-800-526-2839 ing #: Co-Enrolled in a study other than ADRC | |
|--|--|---|---|
| | | f Draw: [HHMM] ne subject ate: [HHMM] | |
| Enter the time the aliquots were placed in the freezer in HHMM format. | Blood Processing: Serum (Gold-Top) Tube (5 Time spin started: Duration of centrifuge: Temp of Centrifuge: Path of more from the second se | mL) [HHMM] Minutes | |
| Enter the temperature of the freezer the samples are stored in (i.e., -80°C). | Rate of centrifuge: × g Time aliquoted: Number of 1.5 mL serum aliquots created (red-cap): If applicable, volume of residual serum aliquot (less than 1.5 mL in blue cap): If applicable, specimen number of residual serum aliquot (last four digits): | [HHMM] mL | |
| | Original blood volume drawn (1 x 5 mL SST collection tube): Time aliquots placed in freezer: Storage temperature in freezer: Plasma & Buffy Coat (Purple-top) 1 Time spin started: | mL [HHMM] °C Tube (10 mL) [HHMM] | |
| Enter the last 4-digits of the buffy coat aliquots (the barcode is etched on the cryovial). | Duration of centrifuge: Temp of Centrifuge: Rate of centrifuge: Time aliquoted: Number of 1.5 mL plasma aliquots created (purple-cap): If applicable, volume of residual plasma aliquot (less than 1.5 mL in blue-cap): | Minutes [HHMM] mL | Enter the original blood volume drawn in each EDTA (Purple-Top) Collection Tube (10mL) in mL. |
| Enter the volume for Buffy Coat #1 and #2, corresponding with the barcodes in the field above. | If applicable, specimen number of residual plasma aliquot (last four digits): Original blood volume drawn (2 x 10 mL EDTA collection tube): Time aliquots placed in freezer: Storage temperature in freezer: Buffy coat aliquot specimen numbers (last four digits): | EDTA #1:mL EDTA #2:mL | |
| Buffy Coat #1 was created from EDTA #1 and Buffy Coat #2 was created from EDTA #1. | Buffy coat volumes (~1.0 mL in gray-cap): Notes: E.g., hemolysis, blood is coagulated, thick or cloudy plasma, issues with buffy coc ersion (3.2024) | Buffy Coat #1: mL Buffy Coat #2: mL t collection - please specify, etc. | Enter any non-conformance details here that NCRAD should make note of. |

<u>Appendix D:</u> Saliva Sample and Shipment Notification Form

<u>Note:</u>

Please ensure forms are filled out in their entirety. Complete during the participant study visit as samples are processed to guarantee accuracy.

| | anus Email: alzstudy@iu.edu | | |
|---|------------------------------|---------------------|------------------------|
| General Information: | | #: | |
| | | | |
| Phone: | En | nail: | |
| Study: ACAD U19 GUID: | Specim | | |
| Visit(circle one): V01 V0 | Label | | L/BARCODE |
| Sex: M F | Year of Birth: | l | |
| | | | |
| Saliva Collection: 1. Date collected: | · · · | | [MMDDYY |
| 2. Time of collection | : | | [HHMM] |
| 3. Last date subject a | | | [MMDDYY |
| 4. Last time subject a | ite: | | [HHMM] |
| Notes: | | Saliva Volun | ne:m |
| E.g., incomplete sample, s saliva sample | ubject ate, drank, smoked, a | nd/or chewed gum 30 | minutes or less before |

Send by E-mail prior to shipment, and include a copy in each shipment

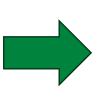
Common Nonconformance Issues



National Centralized Repository for Alzheimer's Disease and Related Dementias

Nonconformance Issues

Sample aliquots and collection tubes frozen at an angle/inverted



Recommendation:

Place aliquots in cryoboxes/tube rack in freezer *upright* until shipment.

Fields left blank on Blood Sample and Shipment Notification Form

> Last time participant ate often left blank/unknown

Incorrect data reported on Sample and Shipment Notification Forms



Recommendation: Complete Sample Notification forms during the participant study visit as samples are processed.

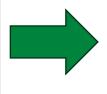


Nonconformance Issues (cont.)

All frozen samples for a participant not sent within one shipment box (plasma and buffy coat aliquots should be kept together)

Aliquots arriving to NCRAD without labels

Sample forms not scanned to NCRAD the day before shipment



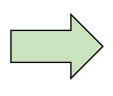
Recommendation:

Ship Samples to NCRAD utilizing the Notification Form, by PTID. Do not throw away labels until samples are packed and shipped.



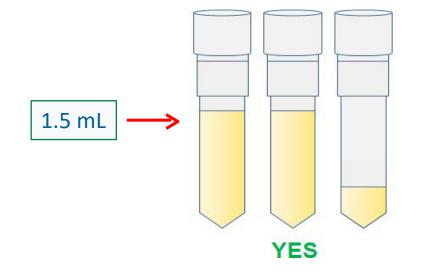
Nonconformance Issues

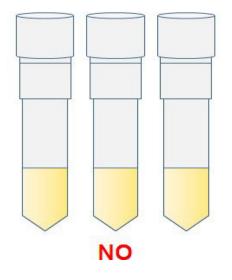
Multiple low volume aliquots



Recommendation:

Lay out cryovials in a row and aliquot in order until sample is depleted







NCRAD Website



National Centralized Repository for Alzheimer's Disease and Related Dementias

NCRAD ACAD Study Page

NCRAD - The ACAD Active Study Page

| National Centralized Repository for Alzheimer's Disease and Related Demer | tias | | | Donate Get Update |
|--|--|----------------------|-----------------------|-------------------|
| ABOUT 😒 🛛 BANK SAMPLES 🗧 | ACCESS SAMPLES 🥪 BIOMARKER ANALYSIS 😪 | COORDINATE STUDIES 🐱 | GENETICS & FAMILIES 🐱 | CONTACT 😒 |
| OORDINATE STUDIES | Ĝ / Coordinate Studies / ACAD | | | |
| ACAD | THE ACAD ACTIVE STUD | Y PAGE | | |
| ABC-DS | Welcome ACAD Study staff, coordinators and | PIs. | | |
| 4RTNI-2 | This section encompasses study specific tools an | nd videos for your | | |
| 90+ Study | reference. If you have any questions, comments, contact NCRAD by email or phone 800-526-283 | | ACAD | |
| ACE | contact NCRAD by email of phone 800-526-265 | 9. | | |
| ADCFB | | | | |
| ADDS/NIAD | ACAD BLOOD-BASED BIOMARKER COL | LECTION SCHEDULE | | |
| ADNI-3 | | All Vis | its | |
| ADNI-Depression | Serum | V | | |
| ADNI-DOD | DNA | V | | |
| AGMP | Plasma | V | | |
| ALLFTD | ACAD SALIVA-BASED BIOSPECIMEN C | | | |
| APOE | AGAD SALIVA-BASED DIGSPECIMEN C | SELECTION SCHEDULE | | |
| BBBSR | | All Visits | | |
| BenfoTeam | DNA | ~ | | |
| BEYONDD | | | | |
| BI-FB | | | | |
| DI-FD | | | | |



NCRAD Website: Helpful Pages

NCRAD - The ACAD Active Study Page

CONTACT Shipping

NCRAD - Holiday Closures

| National Centralized Repository for cheimer's Disease and Related Dementias | | Donate Get Update |
|--|---------------------------------------|--|
| BANK SAMPLES 👳 | ACCESS SAMPLES 🥪 BIOMARKER ANALYSIS 👻 | COORDINATE STUDIES 🤄 GENETICS & FAMILIES 👻 CONTACT 👻 |
| NTACT | | |
| hipping Resources | HOLIDAY CLOSURES | |
| loliday 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 |

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.

NCRAD - Shipping Address

| NCR | AD | | |
|---|--------------|--|----------------------------------|
| National Centralize Alzheimer's Disease an | | | Donate Get Updates |
| ABOUT 🛩 🛛 BAN | NK SAMPLES 😒 | ACCESS SAMPLES 🥪 BIOMARKER ANALYSIS 👻 COORDINATE STUDIES 👻 GENETICS & FAMILIES 👻 | CONTACT 🔍 |
| ONTACT | | A / Contact / Hours / Shipping Resources | |
| Shipping Resource | es | SHIPPING RESOURCES | |
| Holiday Closures | | | |
| | | Shipping Address | |
| | | NCRAD Indiana University School of Medicine 351 W. 10th St TK-217 Indianapolis, IN 46202 | |
| | | UPS Shipping Resources | |
| | | To generate air waybills and schedule UPS pickups for shipments to NCRAD, please visit the UPS ShipExe | ec™ Thin Client website . |
| | | For instructions on how to use the UPS ShipExec™ Thin Client website, please refer to the NCRAD UPS S | hipExec™ Thin Client Guide. |
| | | Navigating UPS ShipExec™ | |
| | | To request edited captions for the deaf/HOH, see https://kb iu.edu/d/adad | |
| | | Explane | |
| | | inter internet intern | |
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