

ADRC Consortium for Clarity in ADRD Research Through Imaging (CLARiTI)



CLARiTI

Collection and Shipment Training

NCRAD



National Centralized Repository for
Alzheimer's Disease and Related Dementias

Training Overview: CLARiTI

- ❖ Kit Review & Kit Request Module
- ❖ Specimen Labeling Instruction
- ❖ Sample Collection and Processing
- ❖ Shipping and Packaging Sample Shipments
- ❖ Creating Airbills and Scheduling UPS Pickup
- ❖ Sample Form
- ❖ Common Nonconformance Issues
- ❖ NCRAD Resources and Contact Information

Kit Request Module

[HTTPS://KITS.IU.EDU/CLARITI](https://kits.iu.edu/clariti)




National Centralized Repository for
Alzheimer's Disease and Related Dementias

CLARiTI Kit Request Module

- Enter Email
- Choose your site from drop-down list

AAA
□ □



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CLARiTI Kit Request System

Please select your site from the list below. Verify or edit the contact name, shipping address, phone number, and e-mail address. Then, enter the desired number of kits or extra supplies in the text fields to the right of each option. A comprehensive list of each kit is listed at the bottom of the screen. Please click submit at the bottom of the screen when you are finished to place your order.

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.

Our standard shipping time for all orders is 3 weeks.

We can ship this kit request by: **03-28-2024**

If you need any supplies in this order prior to **03-28-2024**, you must contact the NCRAD coordinator for this study: gosnellm@iu.edu

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

* must provide value

Study Site

* must provide value

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

* must provide value

Study Site

* must provide value

Somewhere University

Jennifer Doe
Somewhere Alzheimer's Disease Center
1234 Main St, Room 123
Somewhere, IN 46202
Phone: (000) 555-5555
Email: primarycontact@institution.edu

Is the contact name above correct? Yes
 No
* must provide value

Is the shipping address above correct? Yes
 No
* must provide value

Is the e-mail address above correct? Yes
 No
* must provide value

- The coordinator name and contact information will appear.
- Verify that this information is accurate and correct if necessary.

CLARiTI Kit Request Module

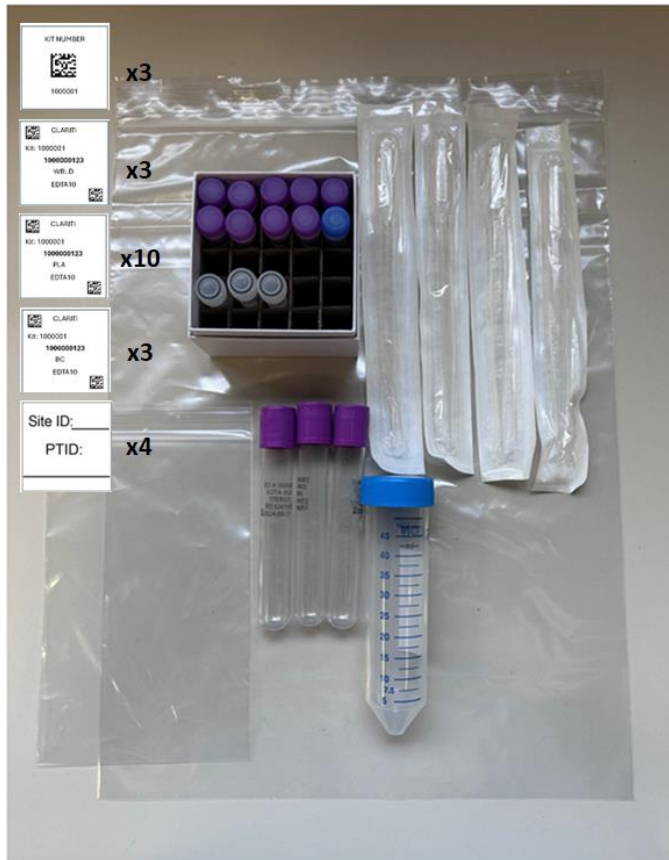
Specimen Collection Kits	
CLARiTI Blood Collection <i>Contains supplies for collecting 30 ml of blood total:</i> <ul style="list-style-type: none">• <i>30 ml of blood for Plasma and Buffy Coat</i> <p>* must provide value</p>	<input type="text"/> <small>Collects 30 ml blood</small>
Shipping Kits	
CLARiTI Frozen Shipping Supply Kit (Large Shippers) <p>* must provide value</p>	<input type="text"/> <small>Up to 8 subjects per frozen shipping kit</small>
Supplemental Kits	
CLARiTI Supplemental Kit <p>* must provide value</p>	<input type="text"/>
Extra Supplies	
Do you need extra supplies?	<input type="radio"/> Yes <input type="radio"/> No

- Can place an order for:
 - Blood collection kit
 - Frozen shipping kit
 - Supplement kit (*one per year*)
 - Individual supplies
- Enter kit order amounts
- Please do not order in bulk. Kit contents expire.
- Click “Submit” to complete your request

***Allow for 3 weeks for kits to arrive when placing order**

CLARiTI Kit Types

CLARiTI Blood Kit



CLARiTI Supplemental Kit



CLARiTI Frozen Shipping Supply Kit (Large Shippers)



Specimen Labels

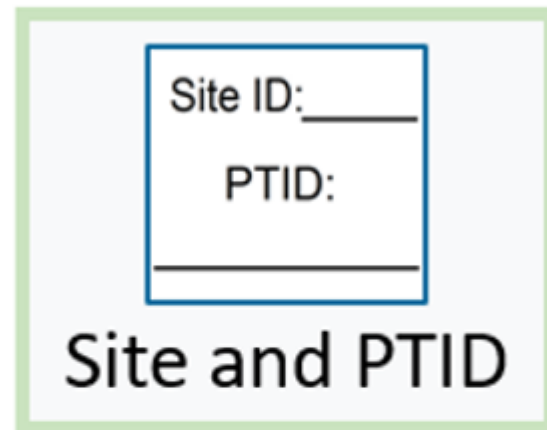


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Three Label Types



Kit Number



Site and PTID



Collection Tube and Aliquot

Kit Number Labels



- Ties all biospecimens and kit contents together for each participant at each visit
- Provides quality assurance
- Will be placed on the following locations:
 1. Blood Sample and Shipment Notification Forms
 2. Cryoboxes that house aliquots during shipping
 3. One extra label provided

Site and PTID Labels

Site ID: _____
PTID:

- Participants will be identified by their Site and PTID and sites will be responsible for handwriting this onto the provided labels
 - Must use fine point permanent marker
- Placed on blood collection EDTA tubes

Collection Tube and Aliquot Labels



- Collection Tube/Aliquot labels are specific to the type of biospecimen
- Have 4 components:
 - Study name
 - 10-digit unique specimen barcode
 - Collection Group
 - Kit number
- Place on EDTA tubes and processed cryovials


Blood Collection Tubes

Label 1: Site and PTID label

Site ID: _____

PTID:


Label 2: Collection Tube label

 CLARITI

Kit: 1000001

1000000123

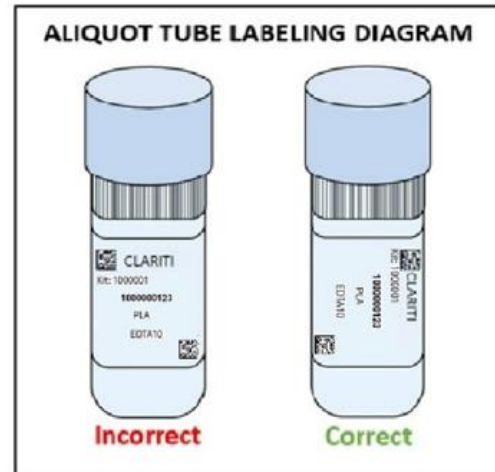
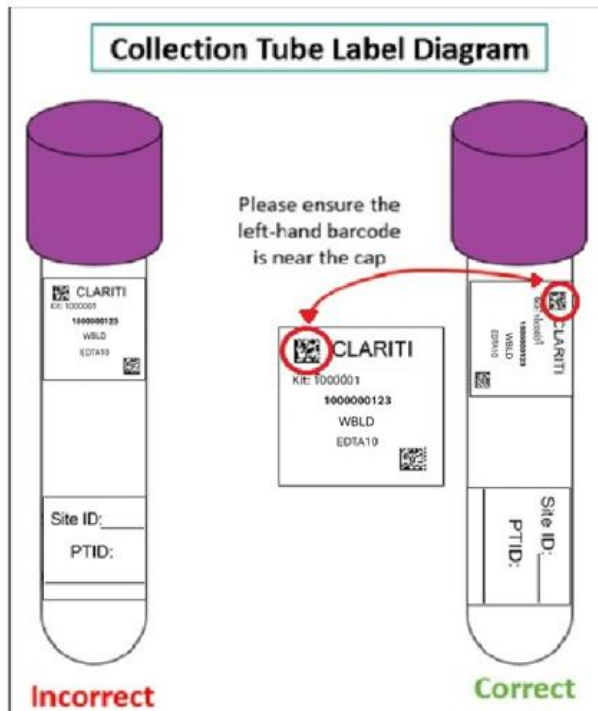
WBLD

EDTA10 

All collection tubes will have two labels:

- Handwritten Site and PTID label
- Collection tube label

Labeling Biologic Samples



- Write site ID and participant ID with fine-point marker prior to label placement
- Label all collection and aliquot tubes before cooling, collecting, processing or freezing samples
- Label only one participant's tubes at a time to avoid mix-ups
- Wrap the label around the tube horizontally. Label position is important for all tube types
- Make sure the label is completely adhered by rolling between your fingers






Handling/Processing Study Specimens

NCRAD

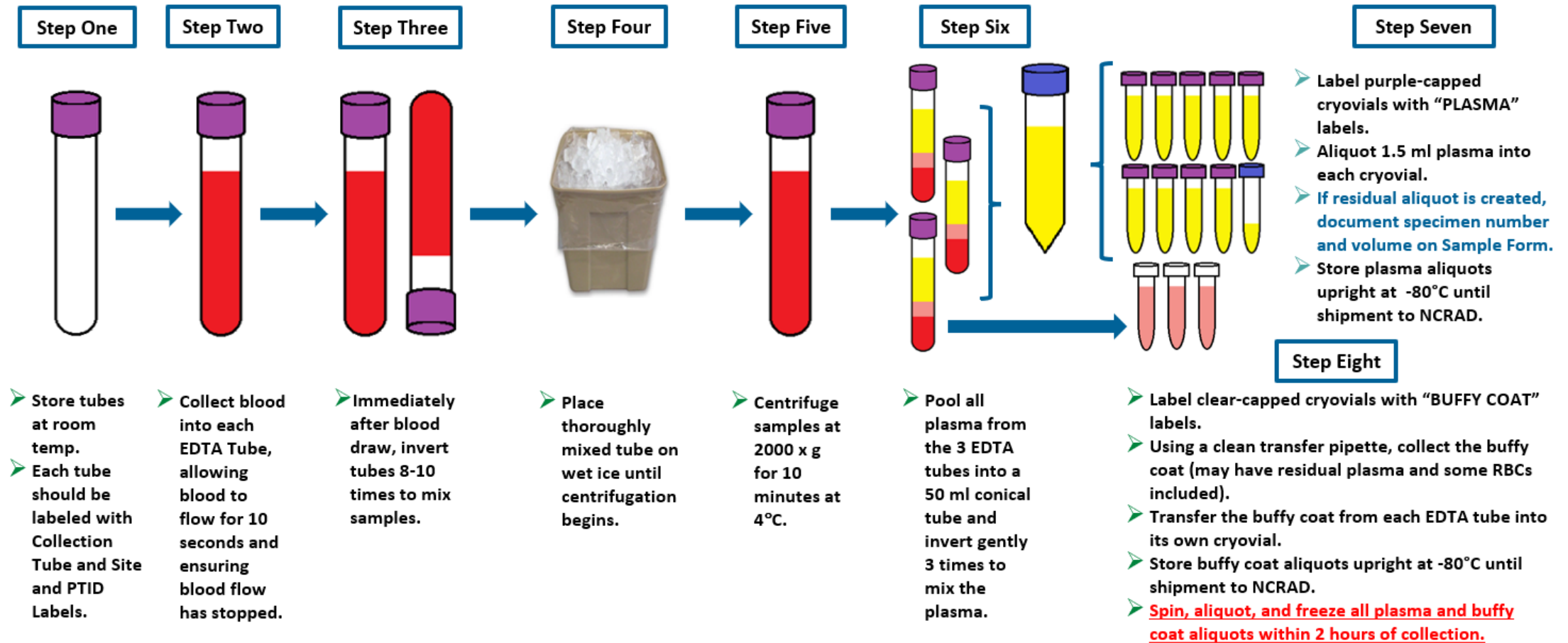


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Specimen Collection and Processing: Specimen Tube Types

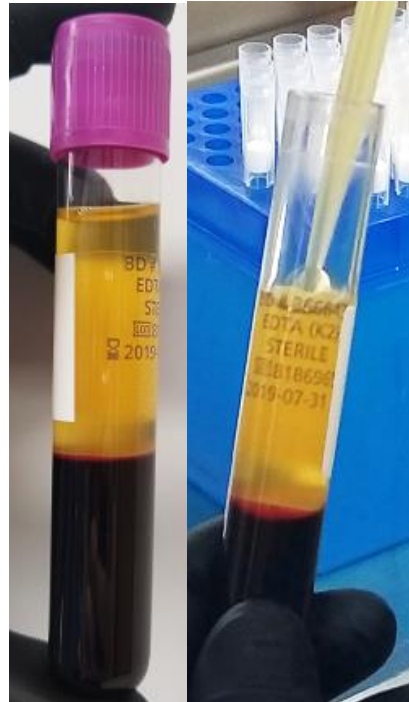
Type	Tube Photo	Size	Purpose	Amount
EDTA Tube		10 ml	Whole blood collection	3
Conical Tube		50 ml	Pooling plasma from EDTA tubes	1
Cryovial		2 ml	1.5 ml aliquots of plasma from conical tube	Up to 9
Cryovial		2 ml	Aliquot residual plasma <1.5 ml after filling purple top cryovials	1
Cryovial		2 ml	~1.0 ml aliquots of buffy coat from EDTA tubes	3

Plasma/Buffy Coat Collection and Processing: 30 ml

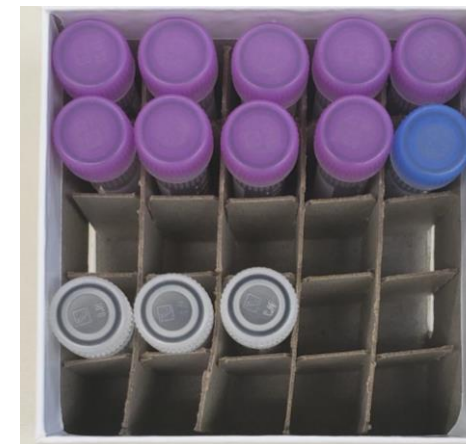


Plasma Collection

- Processed plasma creates up to nine 1.5ml aliquots in purple cap cryovials
- Residual plasma is placed in blue cap cryovial

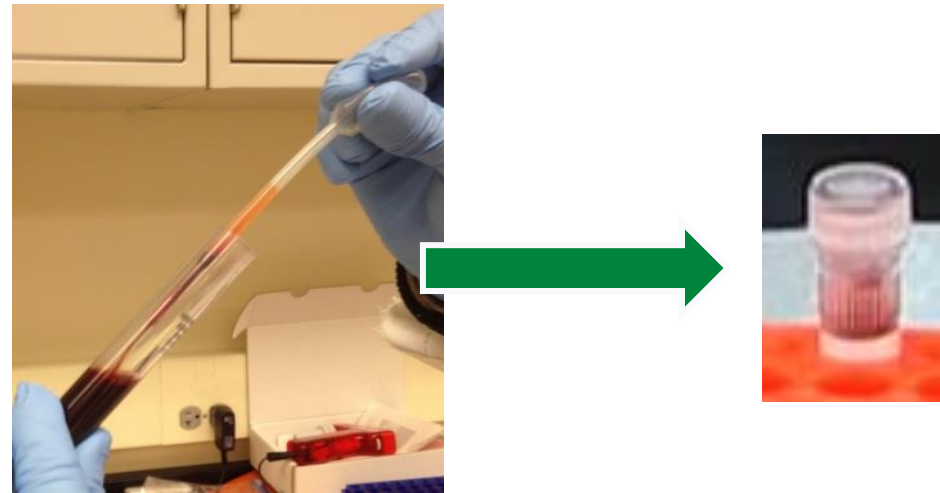
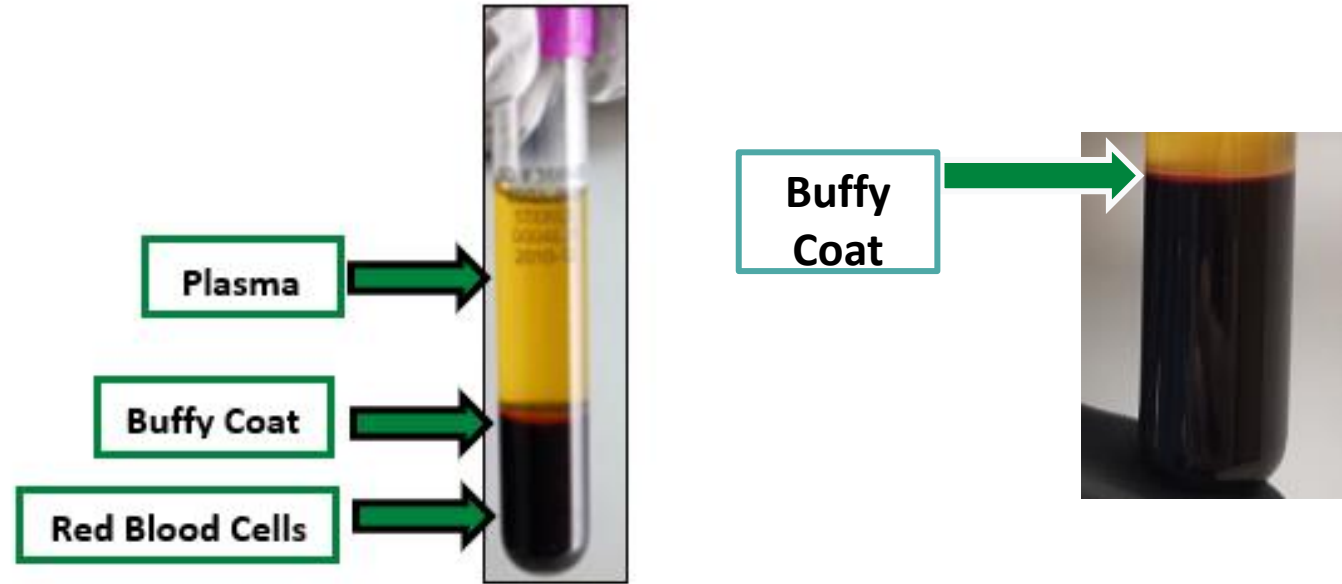


10 mL EDTA tube after centrifuge



Buffy Coat Collection

- Expected to have a reddish color from the RBCs.
- Be sure to only place the buffy coat from one EDTA tube into each cryovial
- Create up to 3 buffy coats



Packaging Sample Shipments



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Frozen Shipment Packaging



All samples shipped frozen to NCRAD **Monday-Wednesday ONLY**



Hold packaged samples in a -80°C freezer until pickup



Include copy of Blood Sample and Shipment Notification Form in shipper



Sites provide pelleted dry ice for shipments
~45 lbs. per batch shipment (8 cryoboxes per large shipper)

Frozen Shipment Packaging

- Use the biohazard bag to package the frozen 25-slot cryobox
- Confirm the kit number label has been placed on the outside of the cryobox



Frozen Shipment Packaging

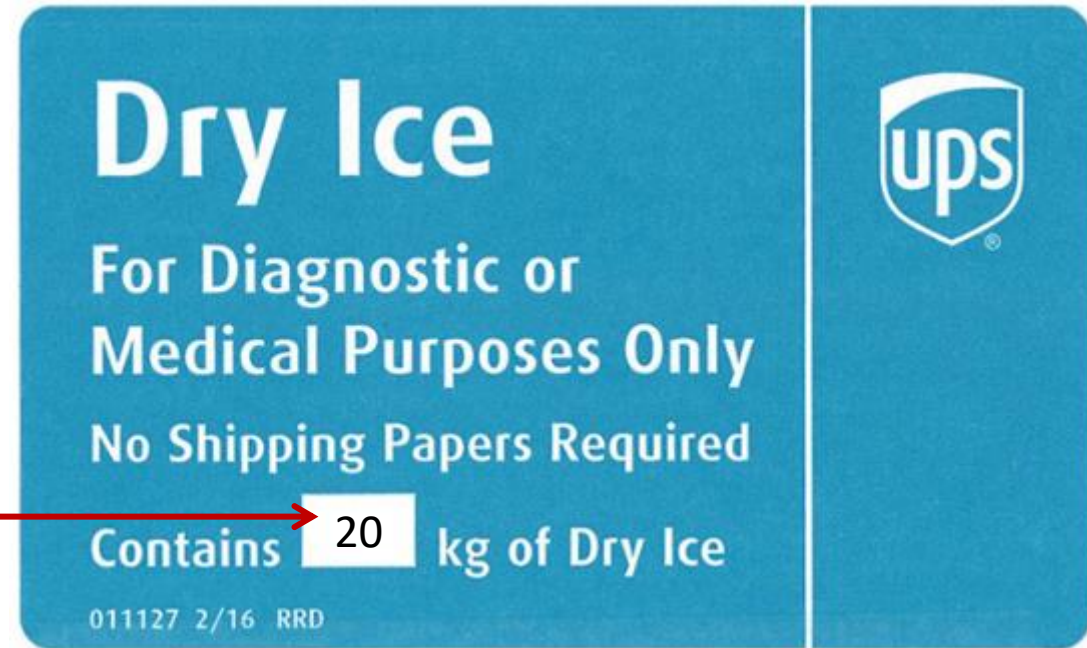
- Place 2-3 inches of pelleted dry ice in the bottom of the Styrofoam shipping container, then insert the cryoboxes laying **upright**
- Fill shipper to the top with pelleted dry ice
- Each Styrofoam shipper must contain about 45 lbs (20 kg) of pelleted dry ice
- Each large frozen shipper holds up to 8 cryoboxes
- Put lid on and then place sample forms on top before box is sealed



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!

Net weight of dry ice in **kg**

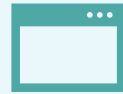


Creating Airbills/Scheduling Pickups



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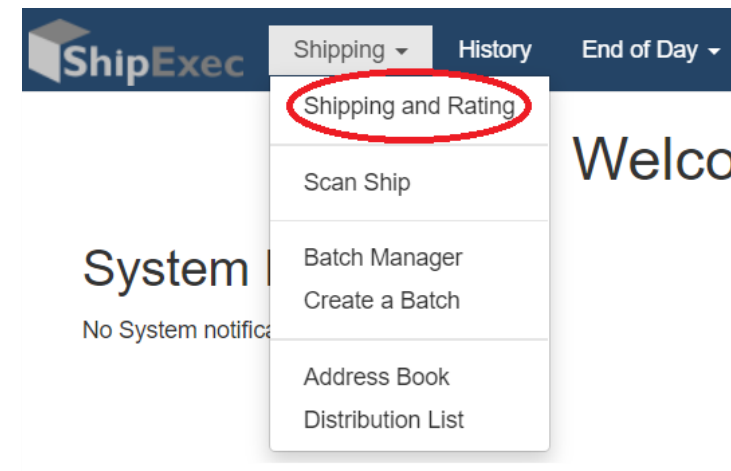
UPS ShipExec™ Thin Client Website



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

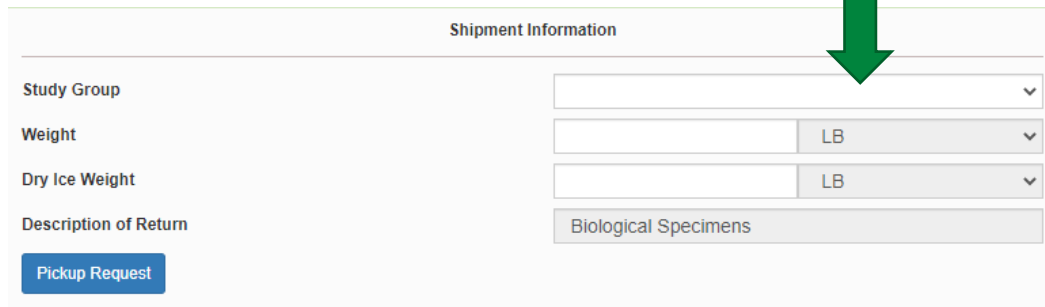


Click on the “Shipping” dropdown and
click on “Shipping and Rating”



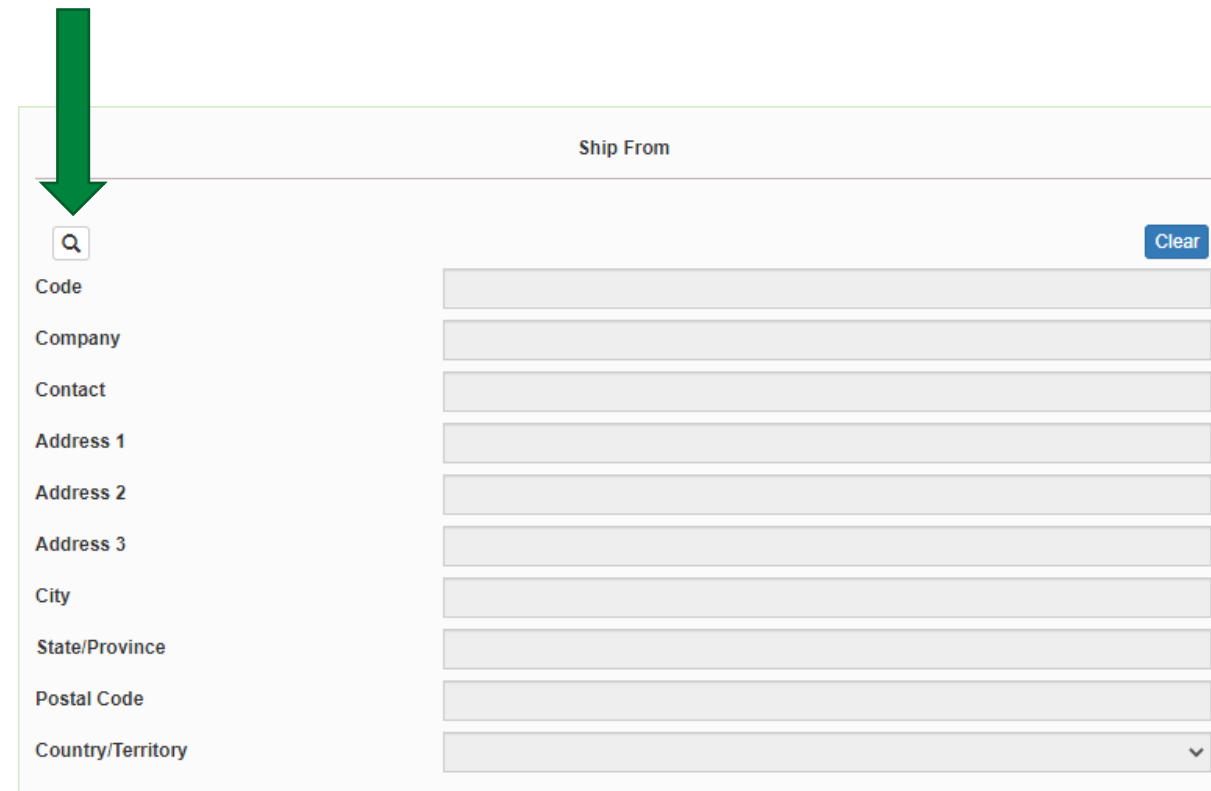
Finding Your Contact Information

- On the right side of the screen, choose the name of your study from the “Study Group” drop down menu
 - This step must be done 1st*



The screenshot shows a form titled "Shipment Information". It contains four input fields: "Study Group" (a dropdown menu), "Weight" (a text box with a unit dropdown set to "LB"), "Dry Ice Weight" (a text box with a unit dropdown set to "LB"), and "Description of Return" (a text box containing "Biological Specimens"). A blue button labeled "Pickup Request" is located at the bottom left. A large green arrow points down to the "Study Group" dropdown menu.

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



The screenshot shows a form titled "Ship From". It features a magnifying glass icon in a small box on the left side, which is highlighted by a large green arrow. To the right of the magnifying glass is a "Clear" button. Below these are several input fields: "Code", "Company", "Contact", "Address 1", "Address 2", "Address 3", "City", "State/Province", "Postal Code", and "Country/Territory" (a dropdown menu).

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

Select address book

Address Book	Type
RETURNS	Company

Group: CLARITI (NCRAD)

Code:

Company:

Contact:

Address 1:

Address 2:

Address 3:

City:

State/Province:

Postal Code:

Country / Territory:

Email:

Phone or Fax:

Account / Tax:

Action	Code	Company	Contact
Select	CLARITI Boston	Boston University Medical Center	Eric Steinberg

Verify Information

Ship From		Shipment Information	
<input type="text" value="Q"/>	<input type="button" value="Clear"/>	Study Group	CLARITI (NCRAD) ▾
Code	CLARITI Boston	Weight	<input type="text"/> LB ▾
Company	Boston University Medical Center	Dry Ice Weight	<input type="text"/> LB ▾
Contact	Eric Steinberg	Description of Return	Biological Specimens
Address 1	72 East Concord Street	<input type="button" value="Pickup Request"/>	
Address 2	GCRU		
Address 3	Evans Building, 8th Floor		
City	Boston		
State/Province	MA		
Postal Code	02118		
Country / Territory	United States ▾		

Please double check that both the shipping information AND study reference are correct for this shipment

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)

Shipment Information	
Study Group	<input type="text"/>
Weight	<input type="text"/> LB
Dry Ice Weight	<input type="text"/> 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”
- 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 Information


Study Group

Weight LB

Dry Ice Weight LB

Description of Return

Create Pickup Request ×

Pickup Date 

Earliest Time Ready

Latest Time Ready

Contact Name

Contact Phone

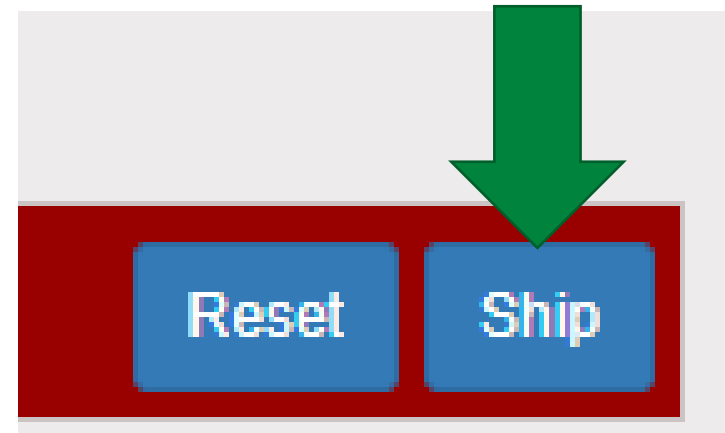
Payment Method

Room Number

Floor

Shipping Packages

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



Accessing Airbill

- Two documents will be created
- Save the Shipment Receipt and the UPS Waybill
- The “Pickup No:” is the reference number to your specific pickup request in case there are any issues with your package being picked up by UPS
- 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

Shipment Receipt

ShipExec™ Shipment Receipt

Transaction Date: Tuesday, December 8, 2020 Pickup No: 2929602E9CP

Address Information

Ship To: John Smith Indiana University 980 W. Walnut Street Indianapolis, IN 46202	Shipper: IUGB IU School Of Medicine 351 W 10Th St Indianapolis, IN 46202	Ship From: IUGB IU School Of Medicine 351 W 10Th St Indianapolis, IN 46202
--	--	--

Shipment Information

Service: UPS Next Day Air (UPS Adapter)

Package Information

Pkg No	Tracking No	Packaging Type	Actual Wt	Billable Wt	Insured Value
1	1Z976R8W8430841976	Customer Packaging	20.0	20	0.00

Airbill

JOHN SMITH
317-485-1234
INDIANA UNIVERSITY
980 W. WALNUT STREET
INDIANAPOLIS, IN 46202

20 LBS 1 OF 1
RS

SHIP TO:
IUGB
317-278-6158
IU SCHOOL OF MEDICINE
TK 217
351 W 10TH ST
INDIANAPOLIS IN 46202

 IN 461 9-01


UPS NEXT DAY AIR 1
TRACKING #: 1Z 976 R8W 84 3084 1976

 SAMPLE

BILLING ZIP
DESC: Biological Specimens
RETURN SERVICE
UNINS. DRY ICE CLASS 9.1 x 4.5 KG
AUCIT REQUIRED
Reference No. 1: 868300

Accessing Airbill

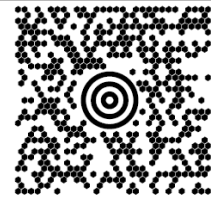
- Print out the UPS air waybill
- Fold the UPS air waybill and slide it inside the plastic UPS sleeve (NCRAD will provide these in kit requests)
- Peel the back off the plastic UPS sleeve and stick the sleeve to your package, making sure it is laying as flat as possible along the surface of the package.

JOHN SMITH
317-555-1234
INDIANA UNIVERSITY
980 W. WALNUT STREET
INDIANAPOLIS IN 46202

20 LBS
RS

1 OF 1

SHIP TO:
IUGB
317-278-6158
IU SCHOOL OF MEDICINE
TK 217
351 W 10TH ST
INDIANAPOLIS IN 46202



IN 461 9-01



UPS NEXT DAY AIR

1

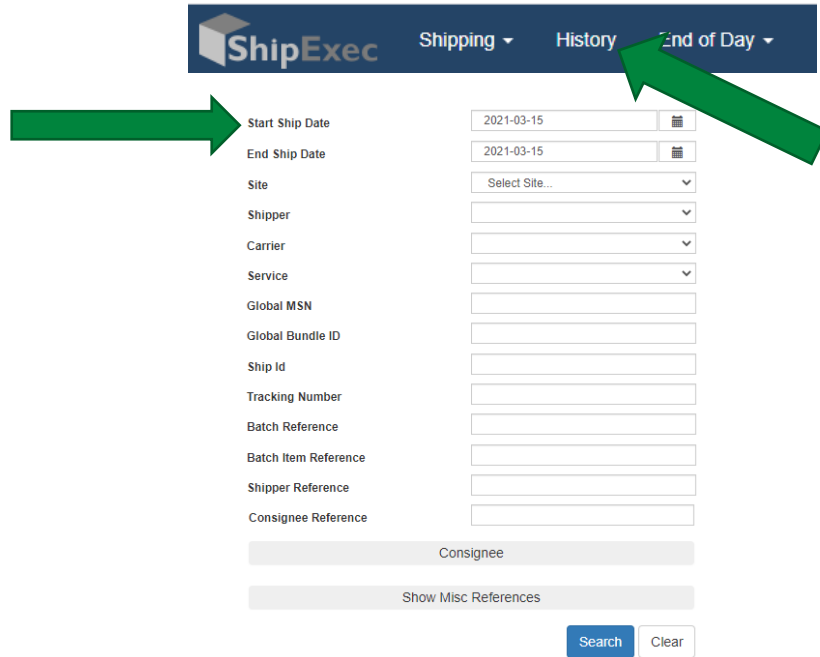
TRACKING #: 1Z 976 R8W 84 3084 1976



BILLING: P/P
DESC: Biological Specimens
RETURN SERVICE
UN1845, DRY ICE, CLASS 9, 1 x 4.5 KG
AUDIT REQUIRED





Reference No.1: 6683830

Creating Airbills & Scheduling Pick Ups: Reprinting/Voiding Airbills



The screenshot shows the ShipExec Thin Client portal interface. At the top, there is a navigation bar with the ShipExec logo and menu items: Shipping, History, and End of Day. A green arrow points to the 'History' menu item. Below the navigation bar, there is a search and filter section with various input fields: Start Ship Date (2021-03-15), End Ship Date (2021-03-15), Site (Select Site...), Shipper, Carrier, Service, Global MSN, Global Bundle ID, Ship Id, Tracking Number, Batch Reference, Batch Item Reference, Shipper Reference, and Consignee Reference. There are also buttons for 'Consignee', 'Show Misc References', 'Search', and 'Clear'.

Reprint by clicking printer icon

Action	Global MSN	Tracking Number	Shipper Reference	Consignee Reference	Ship Date	Weight	Rated Weight	Dimension
   	9506	1Z976R8W8430841976		6683830	2020-12-08	20 LB	20 LB	

Void by clicking the X icon

- 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”

Blood Sample and Shipment Notification Form



National Centralized Repository for
Alzheimer's Disease and Related Dementias

Appendix B: Blood Sample and Shipment Notification Form

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

To: Kelley Faber Email: alzstudy@iu.edu Phone: 1-800-526-2839			
From: _____		UPS tracking #: 1Z976R8W84	
Phone: _____		Email: _____	
Study: CLARITI	Sex: <input type="checkbox"/> M <input type="checkbox"/> F	Year of Birth: _____	KIT BARCODE
Site ID: _____	PT ID: _____		
NACC ID: _____	Visit: <input type="checkbox"/> Baseline <input type="checkbox"/> Follow Up		
Blood Collection:			
Date of Draw: _____ [MMDDYY]		Time of Draw: _____ [HHMM]	
Date participant last ate: _____ [MMDDYY]		Time participant last ate: _____ [HHMM]	
Blood Processing: Plasma & Buffy Coat (EDTA Tube)			
EDTA #1 specimen number (Last four digits): _____		Original blood volume of EDTA #1: _____ mL	
EDTA #2 specimen number (Last four digits): _____ <input type="checkbox"/> N/A		Original blood volume of EDTA #2: _____ mL <input type="checkbox"/> N/A	
EDTA #3 specimen number (Last four digits): _____ <input type="checkbox"/> N/A		Original blood volume of EDTA #3: _____ mL <input type="checkbox"/> N/A	
Time spin started: _____ [HHMM]		Duration of centrifuge: _____ mins	
Temp of centrifuge: _____ °C		Rate of centrifuge: _____ x g	
Time aliquoted: _____ [HHMM]		Number of 1.5 mL plasma aliquots created (purple cap): _____	
Volume of residual plasma aliquot (less than 1.5 mL in blue cap): _____ mL <input type="checkbox"/> N/A		Specimen number of residual plasma aliquot (Last four digits): _____ <input type="checkbox"/> N/A	
Buffy coat #1 specimen number (Last four digits): _____		Buffy coat #1 volume: _____ mL	
Buffy coat #2 specimen number (Last four digits): _____ <input type="checkbox"/> N/A		Buffy coat #2 volume: _____ mL <input type="checkbox"/> N/A	
Buffy coat #3 specimen number (Last four digits): _____ <input type="checkbox"/> N/A		Buffy coat #3 volume: _____ mL <input type="checkbox"/> N/A	
Time aliquots frozen: _____ [HHMM]		Storage temperature of freezer: _____ °C	
Notes: _____			

Blood Sample and Shipment Notification Form



A copy of the sample form *must* be emailed or faxed to NCRAD prior to the date of sample arrival.



Please include sample forms in all shipments of frozen samples.



Email: alzstudy@iu.edu

Noncomformance Issues



National Centralized Repository for
Alzheimer's Disease and Related Dementias

Non-Conformance

Solution

Low volume aliquots	Put cryovials in a row, aliquoting in order until sample is depleted
Tubes received frozen at an angle/inverted	Carefully place tubes upright in freezer and in shipper
Aliquots are not labeled or labeled incorrectly	Refer to training or MOP for correct label placement. Save all labels until samples are packed for shipping.
All frozen samples for one participant are not sent within one shipment box	Keep plasma and buffy coat for individual participants together. Use one cryobox per participant
Fields on Blood Sample and Shipment Form left blank or incorrect data is given	Complete Blood Sample and Shipment Form during participant's study visit while samples are processed
Blood Sample and Shipment Forms are not e-mailed or faxed to NCRAD before shipment arrives	Make copy of participants completed form after visit and save until shipment.

NCRAD Website



National Centralized Repository for
Alzheimer's Disease and Related Dementias

NCRAD Website: Helpful Pages/Tutorials

<https://ncrad.org/contact/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
July 4	Independence Day
1 st Monday in September	Labor Day
4 th Thursday in November	Thanksgiving
4 th Friday in November	Friday after Thanksgiving
December 25	Christmas Day
December 26-31	Winter Break

<https://ncrad.org/contact/shipping-resources>

Shipping Address

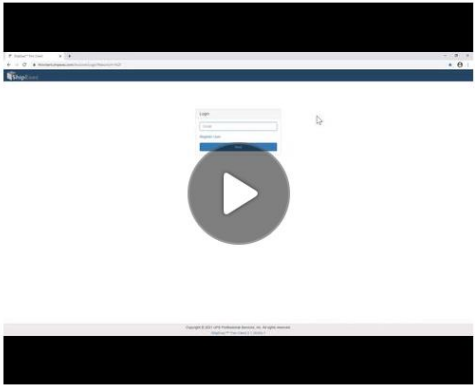
NCRAD
Indiana University School of Medicine
351 W. 10th St TK-217
Indianapolis, IN 46202

UPS Shipping Resources

To generate air waybills and schedule UPS pickups for shipments to NCRAD, please visit the UPS ShipExec™ Thin Client [website](#).

For instructions on how to use the UPS ShipExec™ Thin Client website, please refer to the [NCRAD UPS ShipExec™ Thin Client Guide](#).

Navigating UPS ShipExec™



Contact Information

Mica
Gosnell

- Phone: (317) 274-7423
- E-mail: gosnellm@iu.edu

General
NCRAD
Contact

- Phone: (800) 526-2839
- E-mail: alzstudy@iu.edu
- Website: www.ncrad.org