Nicotinic Acid for the Treatment of Alzheimer's Disease: A Phase 1b/2a Study

BIOSPECIMEN COLLECTION AND SHIPMENT TRAINING



National Centralized Repository for Alzheimer's Disease and Related Dementias

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Nicotinic Acid Biospecimen Collection Schedule

Collection Tube	Visit	Specimen Type	Aliquot Volume	Total Number of Aliquots	Cap Color
		Plasma	1.5 ml plasma aliquots	Up to 7	Purple
2 x EDTA (Purple-Top) Blood Collection Tubes (10 ml)	Day 0, Day 60	Residual Plasma	<1.5 plasma aliquot	1	Blue
		Buffy Coat	~1.0 ml buffy coat aliquots	2	Clear
1 x CSF (Blue-Top) Conical Tube (20 ml)	Day 0, Day 60	Local Lab CSF	1.0-2.0 ml	1	Yellow
		Processed CSF	1.5 ml	11	Clear
		Residual CSF	<1.5 ml	1	Blue



Kit Request Module

www.kits.iu.edu/NicotinicAcid

Ordering Blood Kit Supplies

Ex: tubes, pipettes, labels, cryobox

Ordering Frozen Shipment Supplies

Ex: styrofoam container, cardboard shipper, shipping stickers

Allow for three weeks from time of order to receipt of supplies

Initial order should be received prior to site start date



Kit Request Module Instruction

Specimen Collection Kit

Number of blood collection kits needed:

Each Nicotinic Acid blood collection kit contains:

 Kit Contents

 002 EDTA tube 10m [CT001]

 062 EDTA tube 10m [CT001]

 062 EDTA tube 10m [CT0034]

 012 ml Cryovial - Blue [CV034]

 022 ml Cryovial - Glaer [CV014]

 0115ml Centrifuge tube [CV004]

 02 bipposable Pipet (3ml) [CV015]

 01 Reseable Bag [ST002]

Labels 10 Preprinted Cryovial Labels [LB003] 05 Kit Number Labels (LB003] 03 Participant ID Labels [LB003] 01 2x4 Label [LB006]



Number of CSF collection kits needed:

Each Nicotinic Acid CSF collection kit contains

 KIC Contents

 01 LP Tray 22 Gauge Sprotte w Introducer [LP006]

 11 Zml Cryovial - Clear [CV014]

 01 2ml Cryovial - Veliow [CV037]

 01 2ml Cryovial - Blue [CV034]

 02 50ml Conical Tube, Individually Wrapped [CV056]

 01 Disposable Pipet (Zml) [CV05]

 01 Cryobard Cryobax, 25 slot [CV005]

 01 Rescalable Bag [ST002]

Labels 13 Preprinted Cryovial Labels [LB003] 01 Participant ID Label [LB003] 01 Kit Number Label [LB003] 01 2x4 Label [LB006] Verify site shipping address and contact information

➢Enter amount of each kit need

> Consider EDTA expiration roughly 3 months when ordering

>Allow 2-3 weeks when placing order for kits to be ready for pick up



Kit Pick Up

You will receive a notification via e-mail when your kit contents are ready for pick up.

Address: 351 W 10th Street Room #316

- 1. Enter through the main doors closest to the canal.
- 2. Turn left at the first hallway and there will be signs for elevators.
- 3. Take the elevator to the 3^{rd} floor.
- 4. Pick up ordered kit supplies outside of room #316.
- ✤ Hours of Operation are Monday through Friday 8:00 am 5:00 pm

Please be aware of our holiday closures found here <u>https://ncrad.org/contact/holiday-closures</u>



Specimen Labeling Instruction



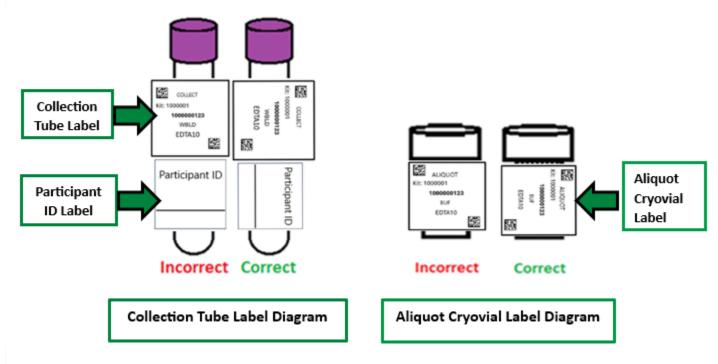
Specimen Labels

	Kit Number Label
KIT NUMBER	 Ties all biospecimens and kit content together for each participant
1000001	• Placed on each cryobox, Appendix B, and Appendix C.
	Participant ID Label
Participant ID:	 Handwritten by sites according to unique study ID
	Placed on blood collection EDTA tubes
	Collection Tube Label
COLLECT Kit: 1000001 1000000123	 Specific to type of specimen. Contains unique specimen ID, barcodes, and kit number.
WBLD EDTA10	Place on each collection tube
	Aliquot Cryovial Label
ALIQUOT Kit: 1000001 1000000123 PLA	 Specific to type of specimen. Contains unique specimen ID, barcodes, and kit number. Place on each collection tube
EDTA10	



Specimen Labeling Instruction: Label Placement Details

- Write participant ID with fine-point marker prior
 to label placement
- Place all labels on specimen specific collection tubes and cryovial 2 ml before blood collection, processing, or freezing
- Label collection tubes and cryovials for one participant at a time to avoid mix ups.
- Wrap labels horizontally and adhere completely to all tubes



Specimen Collection and Processing



Nicotinic Acid Biospecimen Samples

NCRAD will provide training and materials for the following biospecimens:

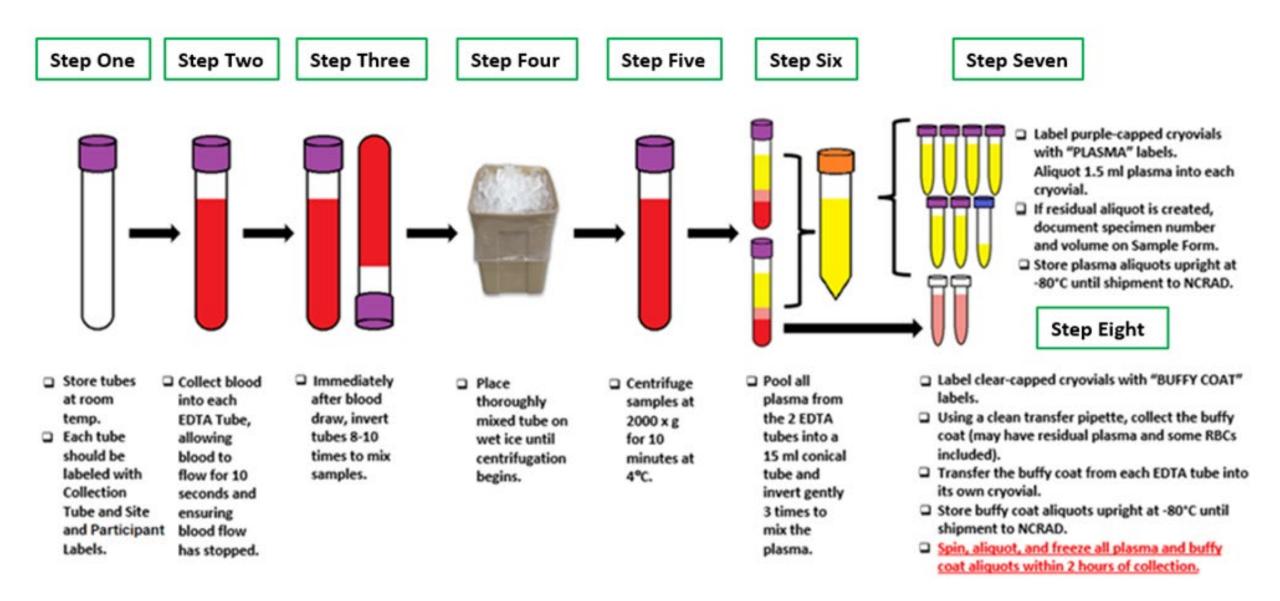
Plasma

Buffy Coat

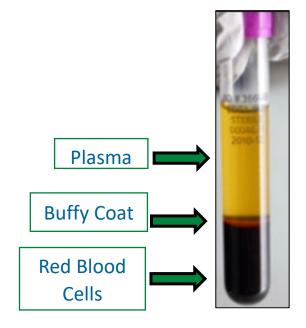
CSF



PROCESSING PLASMA AND BUFFY COAT

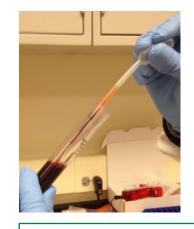


Specimen Collection and Processing: Plasma and Buffy Coat Collection (Screening)





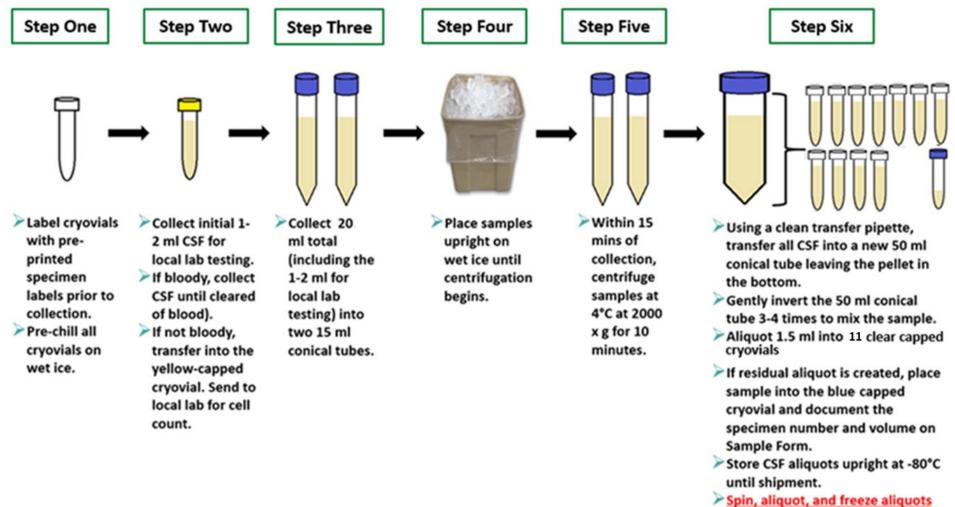
50 ml Conical with 30 ml pooled plasma after inversion



Retrieve buffy coat from each EDTA (expected to have reddish color from RBCs)



PROCESSING CSF



within 2 hours of collection.

Shipment Packaging, Labeling, & Forms



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



Batch samples together (8 cryoboxes)



Sites provide dry ice for shipments

~45 lbs. per batch shipment



Frozen Shipment Tutorial

HTTPS://NCRAD.ORG/SHIPPING ADDRESS.HTML



Specimen Packaging and Shipment: Frozen Specimen Packaging

Step 1. Place frozen cryobox in biohazard bag with absorbent sheet

Important: Confirm kit number label has been placed on the outside of cryobox





Specimen Packaging and Shipment: Frozen Specimen Packaging

Step 2. Place 2-3 inches of dry ice in the bottom of the styrofoam shipping container

Step 3. Insert cryoboxes with tubes <u>upright</u>

Step 4. Fully cover all cryoboxes with 2 inches of dry ice

Reminder: Batch Shipper holds 8 cryoboxes



Blood Sample and Shipment Notification Form

Step 5. Include Blood Sample & Shipment Notification Form in Cardboard Shipper

- Fill out completely during study visit
- Include Kit Number Label on Form

Take a copy of each form prior to shipment. E-mail or fax NCRAD for notification

- Email: <u>alzstudy@iu.edu</u>
- Fax: 317-321-2003

 Appendix B: Blood Sample and Shipment Notification Form

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

 To: Kelley Faber
 Email: alzstudy@iu.edu
 Phone: 1-800-526-2839/317-278-8413

 UPS tracking #:12976R8W84

 Email:

Plasma & Buffy Coat (EDTA Tube)						
Original blood volume of EDTA #1:		Original blood volume of EDTA #2:	mL			
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, up to 6):				
If applicable, volume of residual plasma aliquot	mL	If applicable, specimen number of residual plasma aliquot				
(less than 1.5 mL in blue cap):	N/A	(Last four digits):	N/A			
Buffy coat #1 specimen number (Last four digits):		Buffy coat #1 volume:	mL			
Buffy coat #2 specimen number						
(Last four digits):		Buffy coat #2 volume:	mL			
Time aliquots placed in freezer:	[HHMM]	Storage temperature of freezer:	°C			

Notes:

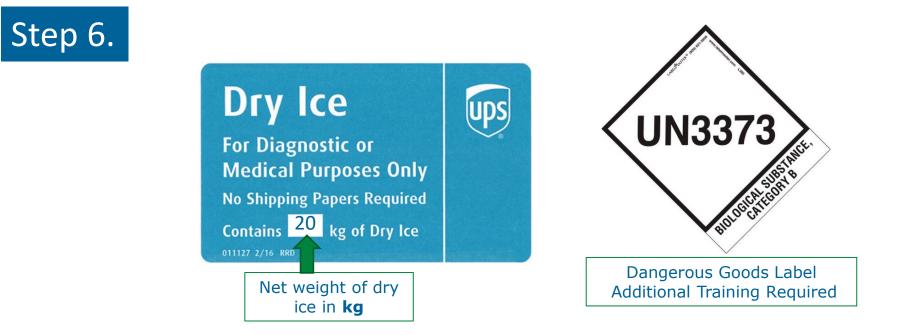
From:

Phone:

Blood Processing:



Specimen Packaging and Shipment: Cardboard Package Labeling





Creating Airbills & Scheduling Pickups



Navigating UPS ShipExec Tutorial

HTTPS://NCRAD.ORG/SHIPPING ADDRESS.HTML



UPS ShipExecTM Thin Client Website



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



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





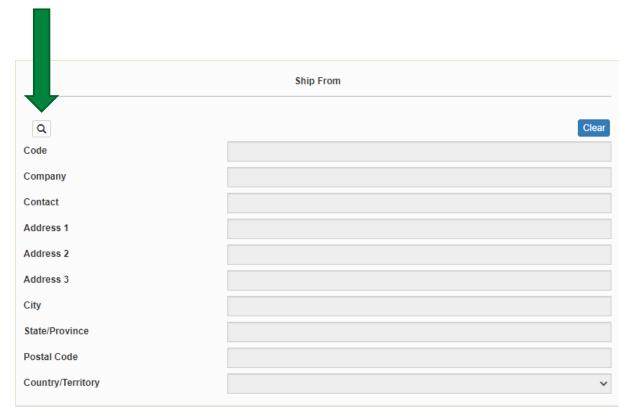
Creating Airbills & Scheduling Pick Ups: Finding your Contact Information

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 Information		
Study Group			~
Weight		LB	~
Dry Ice Weight		LB	~
		Specimens	

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



Creating Airbills & Scheduling Pick Ups: Entering Shipment Information

- 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		~			
Weight	LB	~			
Dry Ice Weight	LB	~			
Description of Return	Biological Specimens				
Pickup Request					



Creating Airbills & Scheduling Pick Ups: Scheduling Pickup Request

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 separated by colon.

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

Hit "Sav	e" when	done
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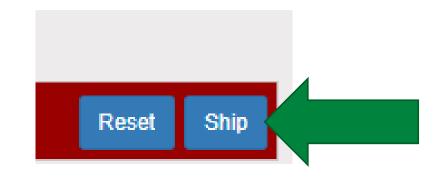
		Shipment Info	ormation		
study Group					~
Veight				LB	~
)ry Ice Weight				LB	~
escription of Ret	um		Biological Specimens		
Pickup Request					
	Create Pickup Request			×	
	Pickup Date	2021-03-15			
	Earliest Time Ready	HH:MM (24 hou	irs format)		
	Latest Time Ready	HH:MM (24 hou	irs format)		
	Contact Name				
	Contact Phone				
	Payment Method	Pay by shipper	account	~	
	Room Number				
	Floor				

Save Cancel



Creating Airbills & Scheduling Pick Ups: Shipping Packages

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





Shipment Receipt

ShipExe	ec™ Shipment Receip	t			
Transactio	n Date: Tuesday, Decembe	er 8, 2020	Pickup N	o: 2929602E90	CP
Address Ir	formation				
Ship To:		Shipper:	Ship From	n:	
John Smit	า	lugb	lugb		
Indiana Ur	versity	lu School Of Medicine	lu School Of Medicine		
980 W. Walnut Street		351 W 10Th St	351 W 10		
Indianapolis, IN 46202		Indianapolis, IN 46202	Indianapo		
Shipment	Information				
Service:		UPS Next Day Air (UPS Adapter)			
Package I	nformation				
Pkg No	Tracking No	Packaging Type	Actual Wt	Billable Wt	Insured Value
1	1Z976R8W8430841976	Customer Packaging	20.0	20	0.00

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





Creating Airbills & Scheduling Pick Ups: Reprinting/Voiding Airbills

ShipExec st	nipping - History End of Day	•		Rep	rint							
Start Ship Date End Ship Date Site Shipper	2021-03-15											
MSN	~ ~		Ac	tion	Global MSN	Tracking Number 🖨	Shipper Reference [‡]	Consignee Reference	Ship Date [‡]	Weight ≑	Rated Weight [≑]	Dimensio ≑
			0	Q O 🚔	9506	1Z976R8W8430841976		6683830	2020- 12-08	20 LB	20 LB	
				1								
	Consignee											
	Misc References			Vo	id							
	Search Clear		Ĺ									

•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"



Non-Conformance Issues



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
Sample and Shipment Form left blank or incorrect data is given	Complete Sample and Shipment Form during participant's study visit while samples are processed
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.

Contact Information Questions?

- Please Contact NCRAD Coordinator at:
- Phone: 1-800-526-2839
- Nicotinic Acid Coordinator E-mail: <u>eridelan@iu.edu</u>
- NCRAD General E-mail: <u>alzstudy@iu.edu</u>
- ✤ Website: <u>www.NCRAD.org</u>
- Study Webpage: <u>www.ncrad.org/coordinate-studies/nicotinic-acid</u>

