(III) Bristol Myers Squibb®



Adult MNC Collection Procedure

The Americas

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Digital MNC Collection Procedure Navigation

When using this procedure on a desktop or laptop, use the clickable table of contents on <u>page 2</u> or the tabs along the right-hand side of the pages to quickly advance to the information needed. Hyperlinks throughout the MNC Collection Procedure link to points of reference.

To return to the previous place after clicking a link or button, hold the Alt key and press the left arrow for a PC, or hold the Command key and press the left arrow for a Mac.

The functionality of this interactive PDF collection procedure is limited when using a web browser. For the best viewing experience, use Adobe Acrobat.

Day of Collection Workflow Guide

Click on a step to go directly to that section.







1. Introductory Information

1.1 Purpose

This collection procedure defines the process for performing and packaging non-mobilized autologous mononuclear cell (MNC) collections. MNC Product specification requirements are defined within this procedure.

1.2 Scope

This procedure applies to Apheresis Collection Centers qualified by Bristol Myers Squibb (BMS) to perform Adult MNC collections for BMS CAR T products in The Americas. The universal term "BMS" is used in this document to represent Juno, Celgene, and BMS.

1.3 Chain of Identity (COI)

1.3.1 Chain of Identity is the ability to link a patient to their autologous cellular material from the time of MNC collection through product administration. Specific controls and linkage elements are implemented at every process step to mitigate the risk of patient material mix-up and maintain a single COI. There is no standard analytical testing performed to identify a patient material mix-up. Failure to maintain COI could lead to detrimental product loss and/or serious health risk to the patient. The hazards associated with a potential autologous product mix-up necessitate stringent product and quality systems controls. The COI controls are summarized on the following page in Figure 1.

Note: Chain of Identity steps will be emphasized with a COI verification icon and numbered purple arrow. See example below.

Step 1

Sample Chain of Identity step

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1.3.2 BMS autologous products are assigned a unique identifier called the JOIN that uniquely identifies a single Apheresis treatment. The JOIN is associated with all records of a treatment and is printed on all labels affixed to patient material. To augment the JOIN and further reduce COI risks, labels used for Apheresis and final product will also include the patient's identifiers or Subject Number for clinical trials, see <u>Table 1</u>.

Fig. 1 - COI Verification Process Steps

	Pre-Collection Activities			Packaging the Collection
•	Verify the JOIN, patient First Name, Last Name, Date of Birth and Subject Number (clinical collections only) on the <u>MNC Label Set</u> and Source Record* match. Verify with the patient that the exact spelling of their First Name, Last	2	4.	Prior to affixing the Shipping Address Label, verify the JOIN on the MNC Bag Label, Shipping Address Label, and <u>Collection Site Material Certificate of</u> <u>Conformance (CSMCC)</u> ** matches for the product being packaged. Affix the Shipping Address Label to the Shipper.
	Name, and Date of Birth on the MNC Bag Label is accurate.	Ę	5.	Verify the JOIN on MNC Bag Label and Shipping Address Label affixed to the Shipper matches before placing the MNC

- 3. Affix the verified MNC Bag Label to the front of the MNC Product Bag.
- Shipping Address Label affixed to the Shipper matches before placing the MNC Product Bag in the shipper.6. Verify the JOIN on the CSMCC** and
- o. verify the JOIN on the CSMCC** and Shipping Address Label affixed to the Shipper match. Place the CSMCC** on top of the cooling engine.
- 7. Verify the JOIN on the Shipping Address Label with the courier at time of pickup.

* The Cell Therapy 360 Apheresis Portal is the preferred Source Record. If the Portal is not available, use the Schedule Confirmation Form (SCF) as the Backup Source Record.

** Or the Adult MNC Collection Procedure Record if the CSMCC is not available.

1.4 Materials

1

2

1.4.1 BMS Supplied Materials:

• Back-up MNC Collection Set - For use if label generation in the Cell Therapy 360 Apheresis Portal is not available or if the site printer is inoperable.

- Blank label stock for printing MNC Label Set from the Cell Therapy 360 Apheresis Portal.
- <u>Cell Therapy 360 Apheresis Portal</u> used to document collection activities and print the MNC Label Set, Courier Documents, and Collection Site Material Certificate of Conformance (CSMCC).
- <u>Collection Site Material Certificate of Conformance (CSMCC)</u> electronic record printed from Cell Therapy 360 Apheresis Portal after collection data has been submitted and prior to MNC collection packaging.
- MNC Label Set
 - Single page PDF containing:
 - a. (2) MNC Bag Labels
 - b. (1) Shipping Address Label
- <u>MNC Shipping Container Credo Cube</u> shipping container will be delivered the day of collection.
 - Contents of the Credo Cube used for packaging the MNC Product:
 - a. Absorbent sheet
 - b. BMS logo label
 - c. Bubble wrap
 - d. 'Do Not X-Ray' labels (as applicable)
 - e. 'Exempt Human Specimen' labels
 - f. Specimen transport bag
 - g. Temperature monitoring device
 - h. Adhesive document sleeve
- <u>MNC Shipping Container NanoCool</u> shipping container may be stored on-site according to requirements detailed in <u>Section 2.5</u>.
 - Contents of the NanoCool used for packaging the MNC Product:
 - a. Absorbent sheet
 - b. Bubble wrap
 - c. Specimen transport bag
 - d. Temperature monitoring device
- <u>Schedule Confirmation Form</u> in the event the Cell Therapy 360 Apheresis Portal is not available

Note: Check supplies often and always before a collection including expiration dates. Contact the Apheresis Operations Team to resupply: <u>Apheresis@celltherapy360.com</u>.

1.4.2 **Apheresis Collection Center Supplies:**

- ACD-A anticoagulant
- 0.9% sodium chloride injection (saline) USP or medical grade equivalent
- Qualified scale for patient weight
- Shipping Tape (for packaging)
- BMS approved Apheresis Instruments and collection programs:
 - Includes the following:
 - 1. Spectra Optia Apheresis System
 - a) MNC Collection Protocol
 - b) CMNC Collection Protocol
 - 2. Amicus Separator
 - a) MNC Collection Protocol
- Collection tubing set/kit appropriate for the Apheresis instrument and collection program in use.

Note: No other collection instruments, programs, or kits are approved for use unless written notification has been provided by BMS.

1.5 General Information

1.5.1 JOIN:

 The JOIN is the primary data element for BMS COI. It is a BMS generated unique identification code that is assigned to a patient's treatment and is associated to the patient's autologous blood product from the time of the leukapheresis scheduling through product administration.

1.5.2 Labeling Controls:

- In accordance with 21 CFR 1271, Apheresis Collection Centers must control all labels containing patient identifiers and/or JOIN information to ensure proper identification of the MNC Product and to prevent mix-ups. All unused patient specific collection labels supplied must be defaced or destroyed.
- If institutional labeling is required, centers must link institutional identification to the BMS issued JOIN so that the identifiers remain linked. See Figure 4 on page 13.

Note: When printing labels for more than one patient, ensure the materials are segregated to prevent mix-up.

1.5.3 Follow institutional policy for the following practices:

- Safe handling of blood products and personal protection.
- Aseptic technique.
- Patient evaluation and care.
 - Assess each patient prior to collection following institutional policy to determine suitability to undergo the procedure.
- Peripheral Venous Access and Central Venous Access Device (CVAD) use and care.
- Operation and programming of the MNC collection device and parameters (e.g. Inlet/AC Ratio; Collect Flow Rate) unless otherwise indicated in this procedure.
- MNC collection except as specifically called out in this procedure.
- Biohazard waste management and disposal.
- Labeling as applicable for serological positive products.

1.5.4 Apheresis Information:

- ACD-A is the only anticoagulant approved for use during MNC Collection.
- No additional material should be added to the MNC Product other than what is specified in this procedure.
- Do not add additional ACD-A or other solutions to the MNC Product.

Note: Please refer to <u>Table 2</u> for which products require plasma to be collected. If using the Spectra Optia Apheresis System, program the machine to collect plasma directly into the product bag. If using the Amicus Separator, transfer plasma to the storage container prior to disconnecting the product from the device.

- Post-collection sampling of the Apheresis material is not required by BMS. If institutional procedures require sampling, follow procedures outlined in section <u>2.2.16</u>.
- Package the MNC Product as soon as possible after completing the collection.
- Adverse events (AE) related to the MNC collection for BMS commercial products do not need to be reported to BMS.
- Adverse events (AE) related to the MNC collection for BMS clinical trials must be reported to BMS as per study protocol.

2. Procedures

2.1 Label Printing and Patient Identity Verification

Collection specific documents are available to print 72 hours prior to the collection appointment.

If there is a discrepancy in identifiers at any time, do not proceed. Immediately contact the Scheduling & Cell Logistics team for further guidance.

Note: Example labels are found in <u>Attachment B</u>.

2.1.1 Print the MNC Label Set and Courier Documents directly from the Cell Therapy 360 Apheresis Portal as described in <u>Table 4</u>. The Portal generated MNC Bag Labels will be populated with the JOIN, patient's identifiers (first name, last name, and date of birth), and if applicable, Subject Number (clinical trial collections). See <u>Figure 2</u> below.

- For Quick Courier, print 2 copies of the courier documents
- For Marken Courier, print 4 copies of the courier documents

Clinical Trial	Commercial
MNC Bag Label	MNC Bag Label
MONONUCLEAR CELLS (MNC) BY APHERESIS FOR FURTHER MANUFACTURING USE FOR AUTOLOGOUS USE ONLY NOT EVALUATED FOR INFECTIOUS SUBSTANCES First Name: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	MONONUCLEAR CELLS (MNC) BY APHERESIS FOR FURTHER MANUFACTURING USE FOR AUTOLOGOUS USE ONLY NOT EVALUATED FOR INFECTIOUS SUBSTANCES Store and Ship at 1-10°C. Expiration: 52 hours from collection end time First Name: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Fig. 2 - Example of the JOIN on Portal Generated MNC Bag Labels

Note: In the event that you cannot access the Cell Therapy 360 Apheresis Portal or cannot print labels, please contact Scheduling & Cell Logistics.

2.1.2 If instructed, complete the Manual Backup MNC Bag Label, with indelible ink, using the Cell Therapy 360 Apheresis Portal or SCF as your BMS Source Record. Figure 3 below.





2.1.3

Step 1

COI Verification: **Prior to the start of the collection**, verify the identifiers in Table 1 on the MNC Bag Label and Shipping Address Label exactly match the information in the Cell Therapy 360 Apheresis Portal (or the SCF if the Portal is not available).

Table 1 - MNC Label Set Verification: The table below dictates the identifiers to be confirmed on each BMS resource.



DOC-701332 v3.0 Adult MNC Collection Procedure - The Americas ide-cel - Licensed from 2SeventyBio, Inc

11 Confidential - Do Not Distribute Step 2

2.1.4

COI Verification: **Prior to the start of collection**, verify with the patient that the exact spelling of their First Name, Last Name, and Date of Birth on the MNC Bag Label is accurate. Patient identifiers on the MNC Bag Label must exactly match the verification method used with the patient. Acceptable verification methods include:

- Patient's government issued photo identification
- Patient's medical institution identification
- Verbal verification with the patient that is spelled aloud

Note: It is critical to verify the accuracy of patient identifiers. These identifiers are input by the treatment site when a patient is enrolled and will be printed on final drug product labeling and documentation. Any discrepancy to patient identifiers should immediately be communicated to BMS Scheduling and Cell Logistics Team.

Note: BMS does not include middle names, initials, prefixes, or suffixes in patient names on labels or the Cell Therapy 360 Apheresis Portal

2.1.5 Document the method(s) of patient identity verification and the time verification occurred in the Cell Therapy 360 Apheresis Portal (<u>Table 4</u>) or on the MNC Collection Procedure Record if the Cell Therapy 360 Apheresis Portal is not available (<u>Section 2.4</u>).

2.1.6

Step 3

COI Verification: After patient verification has occurred, **but prior to the start of collection**, affix the verified MNC Bag Label onto the front of the MNC Collection Bag.

See <u>Figure 4</u> on Page 13 for examples of acceptable MNC Bag Label placement.

- The BMS MNC Bag Label can be placed anywhere on the front of the MNC Collection Bag.
- If institutional labeling is required, it must be affixed to the bag within the boundaries of the base label. If the institutional label does not fit on the base label, it must then be affixed with a tie-tag.
- Do not place any labels on the back of the MNC Collection Bag. See example of acceptable labeling in <u>Figure 4</u> on the following page.

Fig. 4 - MNC Collection Bag with Affixed MNC Bag Label and/or Institutional Label

A - Institutional barcode and BMS MNC bag label affixed to base label.B - BMS MNC bag label affixed to base label and institutional label attached with a tie tag.C - Institutional label affixed to base label and BMS MNC bag label affixed to front of MNC collection bag.



2.2 Collection Procedure

2.2.1 Ensure the following steps have been completed prior to initiating collection:

- Access to the Cell Therapy 360 Apheresis Portal is available
- Print the MNC Label Set containing 2 MNC Bag Labels and 1 Shipping Address Label and Courier Documents
 - For Quick Courier, print 2 copies
 - For Marken Courier, print 4 copies
- Confirm shipping supplies are on hand, within expiry, and not damaged

Note: Contact Scheduling and Cell Logistics if any of these items are unavailable.

2.2.2 Collections must occur in spaces that have been qualified and approved by BMS. Any changes to the collection or packaging location must be reported via the steps outlined in <u>Section 4.2</u>.

Note: When performing collections for more than one patient, ensure labels, collection documents, and shipping materials are segregated to prevent mix-up.

2.2.3 Collection procedures should be completed prior to courier arrival for product pick-up.

Note: Courier pickup time can be changed in the Cell Therapy 360 Apheresis Portal or by calling Scheduling and Cell Logistics

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2.2.4 Whole Blood Process Volume (WBPV) is the run target for the MNC collection regardless of Apheresis instrument used. The Absolute Lymphocyte Count (ALC) is used to determine collection targets. Targets are different depending on the product (Refer to <u>Table 2</u> or the <u>QRG</u> in Section 3).

- Refer to ALC results drawn within 24 hours of collection to calculate collection targets.
- If ALC results are unable to be drawn within 24 hours, contact Scheduling and Cell Logistics Team.

2.2.5 The collection may be initiated prior to receipt of the ALC result.

- Program collection device to process highest WBPV.
- Adjust the run target when ALC results are received, if required.
- Contact Scheduling and Cell Logistics if the ALC will not be received in time to adjust the targets.

2.2.6 MNC Product volume and autologous plasma requirements differ by product.

- If the WBPV cannot be achieved, complete as much of the collection as possible.
- Contact Scheduling and Cell Logistics Team if WBPV and plasma targets cannot be achieved, prior to shipping the product.
- Document the reason collection targets were not achieved in the comment section of the CT360 Apheresis Portal.

Note: Follow the WBPV as indicated in Table 2, over processing whole blood by >100mL should be avoided.

(ide-cel / bb2121)

BMS-986395

None

≥ 50mL

Table 2 - Collection Requirements

Clinical Trial Collection Requirements						
Product Type	lf ALC ≥ 1k/µl	lf ALC < 1k/µl	Autologous Plasma Volume	Total Product Volume Requirements		
lisocabtagene maraleucel (liso-cel / JCAR017) BMS-986387	WBPV Target = 7L	WBPV Target = 12L	Target = 150mL	≤ 450mL		
CC-95266 BMS-986353 CC-97540 BMS-986354 CC-98633 BMS-986393 BMS-986453	Collection Target = 12L		Target = 150mL	≤ 450mL		
Autolemous Total Des dust						
Product Type	lf ALC ≥ 0.5k/µl	lf ALC < 0.5k/µl	Plasma Volume	Volume Requirements		
idecabtagene vicleucel	WBPV Target	WBPV Target				

= 3 times

patient's TBV

= 2 times

patient's TBV

Commercial Collection Requirements						
Product Type	lf ALC ≥ 1k/µl	lf ALC < 1k/µl	Autologous Plasma Volume	Total Product Volume Requirements		
Breyanzi® (liso-cel)WBPV Target = 7LWBPV Target = 12L		Target = 150mL	≤ 450mL			
Product Type	lf ALC ≥ 0.5k/µl	lf ALC < 0.5k/µl	Autologous Plasma Volume	Total Product Volume Requirements		
ABECMA® (ide-cel)	WBPV Target = 2 times patient's TBV	WBPV Target = 3 times patient's TBV	None	≥ 50mL		

Note: Total product volume = MNC collect volume + autologous plasma volume.

Table 3 - Collection Machine Specifications

Collection Device	Program Used	Collection Start Time	End of Collection	Collection End Time	Plasma Collection (as applicable)
Spectra Optia	CMNC	When operator selects "Start Run"	When "Run Target" screen is displayed	Start of Rinseback	Program machine to collect plasma directly into the product bag.
Spectra Optia	MNC	When operator selects "Start Run"	When "Run Target" Screen is displayed	Start of Rinseback	Transfer plasma to the collect bag prior to disconnecting the product from the device.
Fenwal Amicus	MNC	When operator selects "Begin Collection"	When "Perform Reinfusion" is displayed	Start of Reinfusion	Transfer plasma to the collect bag prior to disconnecting the product from the device.

2.2.7 Program WBPV to process based on the patient's ALC.

- Configure procedure parameters as defined in <u>Table 2</u>.
- Program remaining target values following institutional policy.

2.2.8 Program to collect plasma if required for product.

- For Spectra Optia Apheresis System:
 - CMNC: Program the machine to collect plasma directly into the product bag.
 - MNC: Transfer plasma to the collect bag prior to disconnecting the product from the device.
- For Amicus Separator: Transfer plasma to the storage container prior to disconnecting the product from the device.
- **2.2.9** Ensure <u>COI steps 1-3</u> have been completed.
- **2.2.10** Connect the patient to the MNC collection tubing set.

2.2.11 Start the Collection.

• Record the start time of the collection in the Cell Therapy 360 Apheresis Portal (<u>Table 4</u>).

2.2.12 Monitor the Collection

• Follow institutional policy and manufacturer's equipment guide for collection performance and procedure optimization.

2.2.13 Ending the Collection (<u>Table 3</u>)

- Prior to ending the collection, ensure that the MNC Product volume requirements have been met (see <u>Table 2</u> or <u>QRG</u> in Section 3).
- Follow the screen prompts to initiate Rinseback or Reinfusion. Note the collection end time prior to initiating Rinseback or Reinfusion.
- Record final run values and collection end time in the Cell Therapy 360 Apheresis Portal <u>Table 4</u>.
- **2.2.14** Disconnect the patient from the tubing set and provide care per institutional policy.

2.2.15 Disconnect the MNC Collection Bag from the tubing set.

- Strip the lines and position the clamps at the top of the collect/sampling lines.
- Seal the collect lines above the manifold leaving approximately 5 inches of tubing. Seal the sampling bulb assembly just above the manifold (See <u>Figure 5</u>).
- Leave a minimum of two seals on all lines.

2.2.16 Post-collection sampling of the MNC Product is not required by BMS. If institutional procedures require sampling, the sample bulb(s) integrated with the collection set must be used following aseptic technique. If sampling the Apheresis material, ensure the following:

- The product sample does not exceed 5mL
- The minimum BMS product volume must be met after sampling.
- Document a sample has been removed by selecting the Quality Control Sample Taken checkbox in the Serology Section of the Cell Therapy 360 Apheresis Portal. Once selected a Sample Volume field will display to document volume removed.
- Do not provide product sample test results to BMS unless requested by BMS.
- **2.2.17** Release and remove any clamps.
- **2.2.18** Do not leave tubing flattened.

2.2.19 Immediately package the MNC Product for shipment using the product specific instructions in <u>Section 2.5</u>.

2.2.20 Dispose of the MNC Collection tubing set following institutional policy.

Spectra Optia Collection Set	Fenwal Amicus Apheresis Kit

Fig. 5 - Seal line locations per Apheresis Kit

2.3 Documenting the Collection

The Cell Therapy 360 Apheresis Portal is used to document collection related activities and patient-specific information. A summary of the Cell Therapy 360 Apheresis Portal parameters and troubleshooting information is located in <u>Attachment E</u>.

• When logging into the Cell Therapy 360 Apheresis Portal, note any announcements and review the resources tab.

Note: If the Cell Therapy 360 Apheresis Portal is not available, all collection information will be captured on the MNC Collection Procedure Record (Manual Backup Method). For instructions on how to document the collection using the MNC Procedure Record, see <u>Section 2.4</u>.

Table 4 - Cell Therapy 360 Apheresis Portal Quick Guide

Please note: The following images or screenshots are examples and may not represent current Portal interface

select Language English T Coco Theropy 360" Login "Username Ifrstinitiallastname@ct360.com	 Step 1: Navigate to <u>ct360.com</u> Log into the Cell Therapy 360 Apheresis Portal using the BMS provided username and password. Username Format: firstinitiallastname@ct360.com If necessary, select the Apheresis Portal on the navigation bar in the top left corner.
* Password Forgot Username and Password? Log In	Note: Only one person should be logged into a treatment record at a time. If a hand off will take place during collection, save any details completed and log out. You will automatically be logged out after 15 minutes of inactivity.



Theropy 360	Commercial Patients Apheresis Portal		Constitution of the second secon
Buffy Summe	rs DMIE OF RRTH SUBD DI-Jan-1994 0170	CT JON DX-3000C-3000C Jmm3-Jmm33	Save and Close Save
Procedure	Record		
Check In	Coth	ction Details	Review and Sign
	Collection Appointment		
	Best Apheresis Center		
	ADDONITIVENT	Cashel	
	Thu 27-Aug-2020	9 09:00 13:00	
	Patient ID Verification		
	Buffy Summers 01-Jan-19	8H 14	
	Collection Center Denor ID Number		
	"Verification Source:		
	Photo ID		
	Verbal Vertification		
	Do the patient identifiers on the MNC ba	a label exactly match the verification source?	
	🖲 Ves 🔘 No		
	Verified by: Name	Date Time	
		27-Aug-2020 (9

Step 4: Open Procedure and Record Patient identity Verification

The Collection Procedure Record will be available the day of the appointment.

On the Check-In page, complete the Patient ID Verification section.

The Collection Center Donor ID Number is an optional field with a 16 character limit. This is the internal institutional number given to the specific product. If using a bar code scanner to complete this field remove any extra characters e.g. "=, +" if needed.

Note: If a value is entered, double-check its accuracy by re-entering the Collection Center Donor ID Number.

Confirm the patient's identifiers on the MNC bag label exactly match the verification source by selecting "yes".

In the final "Verified by" section, record the name of the person who completed COI Verification Step 2 and add the date/time the verification was completed.

Verification time must be before the collection start time.

Inter training and	Step 5: Enter Collection Data Enter collection details as prompted. Weight field allows up to two decimals and should be entered in kilogram format.
He Contractor Expense Sector Sector	Note: A caution symbol with Suggested/Typical Range flag may appear after a value has been entered. A comment should be included in the MNC Product Comment section to justify value entered.
	If any Summary Checklist item is marked "Fail", call Scheduling & Cell Logistics before proceeding with next steps.
State State <td< th=""><th>Note: ALC should be entered in 1k/ul format (e.g. 0.9).</th></td<>	Note: ALC should be entered in 1k/ul format (e.g. 0.9).
	Once completed, click "Next".
Sign and Submit X Verify your credentials Username Password i i verify that the information entered in this necord has been reviewed and is true and accurate.	 Step 6: Review Collection Data, Sign, & Submit If any information needs to be amended, click on "Edit" and make necessary changes. Once edits have been made, click "Save" then "Sign and Submit". When prompted enter username and password and click "Submit Record".

	Step 7: Print CSMCC
Choose third Bulleries I Converses La Manuale Routed Concerning June Converses Advanced Routed Per accurrence process Per a	After the record is submitted print a copy of the Collection Site Material Certificate of Conformance by selecting "Print Record".
Duty summers Difference Differee Differe	Once the print preview screen appears, click on the double arrows in the top right to print the CSMCC.
Cricical that frances: 1 Convention Frankerski Nortal Cricical that frances: 1 Convention Frankerski Nortal Cricical that frances: 1 Convention Frankerski Nortal Cricical that frances: The residence scheme cell + 1888 8054 4055 Rel residence scheme cell + 1888 8054 4055	A copy of the CSMCC must be shipped with the MNC Product.
bij de stande Secki de de de fan en konte e konte gesch fan en sonne of the son 1 gebre stande Secki de de de fan en konte e konte gesch fan en sonne of the son Neter degesci of any veeling descumentation in accederate with your institutional pointes.	Note: The CSMCC may take a moment to generate for printing.
Collection Site Material Certificate of Conformance JON: J##J-J##JJ	Note: If edits are made to the MNC Procedure Record, resubmit the CSMCC and print the revised record. Ensure the revised CSMCC is packaged in the shipper. If the courier has picked up shipper, contact Scheduling and Cell Logistics.
	Step 8: Uploading Supplemental Documents (if directed by BMS) <i>Return to the Dashboard by clicking</i>
Childed That Property 1 Commencial Planters Applanease Planters Commence Com	"View Patient" Supplemental documents may be uploaded by selecting the "Upload Documents" button from the Patient Details page.
Subjective The (12 /24.0g) 2000 C risk (subjective) The Class of	Upload documents by dragging a document into the box or by selecting the file and selecting "Submit Documents".
	Note: The system will restrict users from uploading files other than the approved file types: *.doc, *.docx, *.pdf, *.png, *.jpeg, *.mp4, *.xls, *.xlsx, *.snote

2.4 Manual Backup Method

- The MNC Collection Procedure Record is to be utilized only if directed by BMS.
- Instructions on how to complete the Manual Backup Method can be found on the back of the MNC Collection Procedure Record. Examples of the MNC Collection Procedure Records can be found in <u>Attachment A</u>.
- Complete each section of the procedure record completely and accurately.

Note: If any criteria are not met in the "MNC Collection Summary" section contact Scheduling & Cell Logistics immediately.

- Sign and date the completed MNC Collection Procedure Record.
- Make a copy of the completed MNC Collection Procedure Record and transfer to packaging staff for COI verification and placement in shipper.
- Scan and upload the completed MNC Procedure Record (and any relevant files/forms) to your dedicated folder on Box.com.
 - If your Box.com account has already been set up, you should have access right away.
 - If you do not have a Box.com account previously set up, Scheduling & Cell Logistics will send you an invitation to Box.com via email. Once you've received the email invitation, click to "Accept Invite" and follow the subsequent instructions to create an account.

2.5 Packaging and Shipping the Apheresis Product

2.5.1 Contact Scheduling & Cell Logistics at <u>Scheduling@celltherapy360.com</u> if any issues with the collection will cause a delay that will impact the courier pick up time by more than 30 minutes.

Note: When packaging for more than one patient, ensure the materials are segregated to prevent mix-up.

2.5.2 Confirm the Collection Site Material Certificate of Conformance has been printed or details have been captured on the MNC Collection Procedure Record if the Cell Therapy 360 Apheresis Portal is not available <u>Section 2.4</u>.

2.5.3 Closely follow the step-by-step instructions in Tables 5-8 to package the MNC Product for shipment.

Table 5 - Designated Shippers per Product

Clinical Trial Collections					
Product Type Designated Shipper Shipper Details					
liso-cel (JCAR017) BMS-986353 BMS-986354 BMS-986387 BMS-986453 CC-97540 CC-98633	NanoCool*	stored on-site			
ide-cel (bb2121) BMS-986393 BMS-986395 CC-95266 CC-95266		delivered day of collection			
Commercial Collections					
Product Type Designated Shipper		Shipper Details			
Breyanzi® (liso-cel)	NanoCool*	stored on-site			
ABECMA® (ide-cel)	Credo Cube**	delivered day of collection			

* BMS may provide instruction to package the product in a Credo Cube delivered the day of the collection. ** BMS may provide instruction to package the product in a NanoCool shipper.

2.5.4 See <u>Table 7</u> for Packaging the NanoCool Shipper. See <u>Table 8</u> for instructions for Packaging the Credo Cube Shipper. If you encounter any discrepancies with the processes as detailed, please contact Scheduling & Cell Logistics.

Table 6 - Courier Documentation

Courier	Print Courier Documentation	Packaging Instructions	JOIN
Marken	Print 4 copies of the Courier Documents	Insert two copies of the signed courier documents in the adhesive document sleeve on the exterior of the shipper. Provide one copy of signed courier documentation to courier for package pickup. Retain one copy of signed courier documentation for site records.	The JOIN is found in the Reference field.
Quick	Print 2 copies of the Courier Documents	Insert one signed copy of the courier documentation in the adhesive document sleeve on the exterior of the shipper. Provide one copy of signed courier documentation to courier for package pickup. Retain one copy of signed courier documentation for site records.	The JOIN is found in the Shippers Reference field.

Table 7 - NanoCool Packaging





Open the corrugated sleeve of the MNC shipping container.

Carefully, remove the shipping container lid with the silver foil and place foil side down on a hard, flat, clean surface. The white actuator button should be pointing up.

Note: The lid is the cooling engine. Take extra precautions to not drop the cooling engine. The silver foil side should feel gellike to the touch.





Correct



Incorrect

In one motion, press straight down on the actuator button using a thumb.

Note: Do not use a sharp object to press on the button.

The NanoCool is activated once the NanoCool logo turns blue and the cooling engine is cool to the touch.

Note: Do not press the button until ready to package the MNC Product.

 Verify that the NanoCool unit contains: Absorbent sheet Bubble wrap Specimen transport bag Temperature monitoring device (may be separate from the NanoCool unit upon delivery. If so, retrieve the temperature monitoring device and verify the device is within expiry). If any of the above supplies are damaged or missing, retrieve another shipper from the reserves and notify BMS.
Insert the MNC Product into the specimen transport bag with the MNC Bag Label facing outward. Note: MNC Bag Label should be visible and not obstructed. The label should be facing the side of specimen transport bag without the biohazard print, so the label is legible while inside the bag. Insert the absorbent sheet into the specimen transport bag, ensuring not to obstruct the
MNC Bag Label. Verify that both the MNC Product and absorbent sheets are placed inside the specimen transport bag and not in the outer document sleeve of the specimen transport bag. Expel the air from the specimen transport bag, remove the adhesive, and seal the bag.



Step 5

COI Verification: Verify the JOIN on the MNC Bag Label and Shipping Address Label affixed to the Shipper matches before placing the MNC Product Bag in the Shipper.





Pack the MNC Product in the center payload compartment with the MNC Bag Label facing up.

Place bubble wrap on top of the MNC Product to fill the void in the shipping container.



Note: Confirm NanoCool logo has turned blue and the cooling engine is cool to the touch. Actuator button should be fully depressed.

Align the cooling engine lid with the shipping container's internal cavity and press firmly and evenly to ensure a snug fit. Ensure there are no visible gaps between the cooling engine lid and the shipping container's internal cavity. Step 6

COI Verification: Verify the JOIN on the CSMCC* and Shipping Address Label affixed to the Shipper matches for the product being packaged. Place the CSMCC* on top of the cooling engine.

* Or the MNC Collection Procedure Record if the CSMCC is not available.



COI Verification: Verify the JOIN on the Shipping Address Label with the courier at time of pickup.

If Courier cannot produce JOIN and/or provides instructions not outlined in this collection procedure contact Scheduling and Cell Logistics.

Table 8 - Credo Cube Packaging

Color of cardboard box may vary	 The courier will deliver a qualified, pre-cooled Credo Cube shipper on the day of collection. The Credo Cube maintains a temperature of 2-8°C. Note: The shipper will arrive inside a corrugated cardboard box. Do NOT remove the shipper from the outer cardboard box. In the event the Credo Cube has not yet been dropped off at your site by the scheduled delivery time, contact Scheduling & Cell Logistics immediately.
Image: An and the second se	 Upon receipt of the Credo Cube, Open the shipping container and remove the top silver insulation panel. Remove the top white refrigeration panel and inspect the inside of the shipping container for any leaks or obvious damage. If the shipping container and/or supplies are damaged, contact Scheduling & Cell Logistics immediately. If the shipping container and/or supplies are free of damage, proceed.
<complex-block></complex-block>	Remove all items from the shipping container, including the inner cardboard supply box (if present). Verify that the container includes: • Absorbent sheet • BMS logo label • Bubble wrap • 'DO NOT X-RAY' labels (as applicable) • Adhesive Document Sleeve • Note: Discard the inner cardboard supply box if one was provided. An example of the inner cardboard supply box if one was provided. An example of the inner cardboard supply box can be seen in the step above. Note: Open the shipper, remove the contents, immediately close the shipper, maintain the shipper closed until ready to package the MNC Product.



Label the outer cardboard corrugate the Credo arrived in with the following labels:

- 'Exempt Human Specimen'
- BMS logo
- Apply 'DO NOT XRAY' sticker if available in Credo. If the sticker is not included, it is not required



COI Verification: Prior to affixing the Shipping Address Label, verify the JOIN on the MNC Bag Label, Shipping Address Label, and CSMCC* matches for the product being packaged. Affix the verified Shipping Address label to the side of the outer cardboard box.

* Or the MNC Collection Procedure Record if using the manual backup procedure and the CSMCC is not available.



DOC-701332 v3.0 Adult MNC Collection Procedure - The Americas ide-cel - Licensed from 2SeventyBio, Inc





Bristol Myers Squibb[®]



COI Verification: Verify the JOIN on the CSMCC* and Shipping Address Label affixed to the Shipper matches for the product being packaged. Place the CSMCC* on top of the cooling engine.

* Or the MNC Collection Procedure Record if the CSMCC is not available.



If Courier cannot produce JOIN and/or provides instructions not outlined in this collection procedure, contact Scheduling and Cell Logistics immediately.

3. Quick Reference Guide (1 of 2)



3. Quick Reference Guide (2 of 2)

Attachment A - Quick Reference Guide: Collection and Packaging Requirements (2/2)



4. Deviations and Change Management

4.1 If a deviation to this protocol occurs, report via steps 4.1.1-4.1.3

4.1.1 Any deviation that has the potential to impact the quality, safety, or testing of the MNC Product must be reported to Scheduling & Cell Logistics. Collection Sites must notify Scheduling & Cell Logistics of any relevant deviation as soon as possible, but within 24 hours of discovery, to help ensure the collection is not negatively impacted by the deviation. Examples include but are not limited to: no plasma added to the Breyanzi®/liso-cel MNC collection, MNC Product volume is outside specification, or patient ID discrepancy was discovered.

- If the deviation is discovered on the day of the MNC collection appointment (or within the following 24 hours) call the Scheduling & Cell Logistics line immediately at: +1 (888) 805-4555 Option #2, Option #1 (U.S.) or +1 (855) 999-0170 (Canada).
- If the deviation is discovered later (e.g. during review of records), report it by email to Scheduling & Cell Logistics at Scheduling@celltherapy360.com.

4.1.2 When reporting a deviation provide the following information:

- Date of MNC collection
- Subject Number (*if applicable*)
- JOIN
- Description of the deviation •

4.1.3 The description of the deviation should include the following:

- Full name of person reporting the deviation
- Expected outcomes as if no deviation had occurred
- Actual outcome with occurrence of the deviation
- Immediate corrective action(s) taken to mitigate risk
- Assessment of impacts to the MNC collection product, if applicable

4.2 Changes to the qualified collection or packaging space/location must be reported via steps 4.2.1-4.2.2 below per the Quality Agreement

Notify Scheduling & Cell Logistics in writing minimally 30 days prior to the change. 4.2.1 Email details of the change to Scheduling@celltherapy360.com and apheresis@celltherapy360.com. The description of the change should include the following:

- Full name of person reporting the change
- Full description of the proposed change including current qualified location/address and new proposed location/address
- Potential impact of the change on the collection services and impact to this collection
- Proposed implementation date of the change

BMS may request additional information or take additional steps to assess the 4.2.2 impact of the change prior to approval.

5. Definitions

5.1 Absolute Lymphocyte Count (ALC) - Total count of lymphocytes obtained from a Complete Blood Count (CBC) with differential, measured in cells x10⁹ per Liter (L) (Units: $x10^9/L = K/\mu L = x10^3/\mu L$).

- ALC may be calculated by multiplying the White Blood Count (WBC) by the percent lymphocytes. (Example: if WBC = 4.5×10^{9} /L and percent lymphocytes = 20%, then ALC = 4.5×10^{9} /L x $0.20 = 0.9 \times 10^{9}$ /L)
- See <u>Table 2</u> or the <u>QRG</u> in Section 3 for ALC collection parameters and processing targets.

5.2 Amicus Separator ("Amicus") - An automated blood cell separator manufactured by Fenwal, Inc. indicated for the collection of blood components and mononuclear cells. The Amicus Separator system is approved by the FDA and BMS to perform MNC collections.

5.3 Anticoagulant Citrate Dextrose, Formula A (ACD-A) - A chemical substance added to blood that inhibits clotting by binding ionized calcium; for Formula A, each 100mL of solution contains 2.2g sodium citrate hydrous, 730mg citric acid anhydrous and 2.45g dextrose hydrous; also known as sodium citrate.

5.4 Autologous Plasma - Plasma collected from the patient during the MNC collection and added to the MNC Collection Bag.

5.5 Cell Therapy 360 Apheresis Portal - A secure web-based system that allows Apheresis Collection Centers to access collection and patient related information for patients participating in BMS clinical trials or prescribed BMS commercial CAR T products. By accessing the Portal, Apheresis Collection Centers may view past or upcoming Apheresis collections, view patient specific details, generate collection specific documents, document patient identity verification, enter collection specific data and print a Collection Site Material Certificate of Conformance (CSMCC) for inclusion in the Apheresis shipper. This Portal is considered a source document used from the time of the MNC collection throughout the manufacturing process to verify and ensure Chain of Identity elements are assigned and maintained.

5.6 Chain of Identity (COI) - The ability to link a patient's autologous cellular material from the time of MNC collection through product administration. Specific controls and linkage elements are implemented at every process step to mitigate the risk of patient material mixup and maintain a single Chain of Identity. Refer to <u>Section 1.3</u> for more information on Chain of Identity. **5.7 Change Management** - Changes to the collection space or site location, BMS specific collection procedures or records, or practices related to Chain of Identity verification must be approved by BMS before implementation. Report the change via the steps outlined in <u>Section 4</u>.

5.8 Collection Start Time - The time when the MNC collection procedure is started. The start time for each Apheresis device is defined in <u>Table 4</u>.

5.9 Collection End Time - The time at the completion of the MNC collection when no further MNCs are collected. The end time for each Apheresis device is defined in <u>Table 4</u>.

5.10 Collection Site Material Certificate of Conformance (CSMCC) - Electronic record generated by the Cell Therapy 360 Apheresis Portal which captures the JOIN and collection data upon submission. This document includes information that will be used to receive the MNC collection at the manufacturing facility and to manufacture the drug product.

5.11 Courier Documentation - Courier Documents or Waybills are printed directly from the Cell Therapy 360 Apheresis Portal. The Courier Documentation contains the JOIN and is used to maintain COI.

5.12 Credo Cube Shipper - Validated shipper provided by BMS used to ship ide-cel products. Credo Cube Shippers are delivered on the day of collection by a courier.

5.13 JOIN - The JOIN is the primary data element for BMS COI. It is a BMS generated unique identification code that is assigned to a patient's treatment and is associated to the patient's autologous blood product from the time of the leukapheresis scheduling through product administration. The JOIN is a 10-character pseudo-random data element consisting of 4 alphanumeric characters, a hyphen, and 5 alphanumeric characters. A JOIN can be composed entirely of numbers, letters, or any combination thereof. To augment the JOIN and further reduce COI risks, labels used for Apheresis and final product will also include patient identifiers, as depicted in Figure 6.



5.14 MNC Bag Label - Label that is affixed to the front of the MNC Collection Bag after patient identity verification is performed. The identifiers are verified with the patient prior to the collection. This is the first identification step of the manufacturing process to associate the product with its JOIN. Labels are printed directly from the Cell Therapy 360 Apheresis Portal prior to collection.

5.15 MNC Collection Bag - The bag attached to the MNC procedure tubing kit where collected MNCs are stored. Specific instrument terms used for this volume are as follows:

- Spectra Optia Apheresis System Collection Bag
- Amicus Separator Storage Container

5.16 MNC Collection Procedure Record - BMS record used to document the patient identifiers, JOIN, and collection data in the event the Cell Therapy 360 Apheresis Portal is not available. This form includes information that will be used to receive the MNC collection at the manufacturing facility and to manufacture the drug product. Examples of the MNC Collection Procedure Records can be found in <u>Attachment A</u>.

5.17 MNC Product - Final collection configuration consisting of ACD-A, collect volume, and autologous plasma, if applicable, in the MNC Collection Bag (Reference <u>Table 2</u> or the <u>QRG</u> in Section 3). The product must be sealed using heat seals or metal clips and packaged according to collection requirements.

5.18 NanoCool Shipping Container - Validated shipper provided by BMS used to ship liso-cel products. A case of 4 NanoCools is shipped to site ahead of collection and replenished as needed.

5.19 Patient Identifiers - Personal identifying information (e.g. name and date of birth) by which an individual can be recognized. Patient identifiers are used with the JOIN to ensure Chain of Identity is maintained.

5.20 Patient Identity Verification - The act of confirming patient identity. This activity is performed by ensuring the patient's identifiers and JOIN on the MNC Bag Label exactly match The Cell Therapy 360 Apheresis Portal or the Schedule Confirmation Form (if the Portal is not available). Upon patient arrival, this activity is performed by confirming the spelling of the patient identifiers on the MNC Bag Label exactly match their identification (e.g. Driver's License or Medical Institution Identification) or by verbally confirming the label content and spelling directly with the patient.

5.21 Schedule Confirmation Form (SCF) - This BMS issued form is considered a source document in the event the Cell Therapy 360 Apheresis Portal is not available. A copy of the SCF can be found in the Document Section of the Patient Details page in the Portal. The form contains collection specific identifiers such as: product type, patient's first and last name, date of birth, JOIN, and scheduled collection date. It is used from the time of the MNC collection throughout the manufacturing process to verify and ensure chain of identity elements are assigned and maintained. See <u>Attachment C</u> for an example SCF.

5.22 Shipping Address Label - Label that is affixed to the exterior of the MNC shipping container. This label contains at a minimum the JOIN and delivery address of the manufacturing facility.

5.23 Source Record - Authoritative data source for given data elements or piece of information containing patient identifiers, patient number, and JOIN. BMS source records are the Cell Therapy 360 Apheresis Portal or the SCF (if the Portal is not available).

5.24 Spectra Optia Apheresis System ("Spectra Optia") - Automatic blood component separator manufactured by TerumoBCT that uses centrifugation and optical detection (automated interface management system) to perform Apheresis procedures. The Spectra Optia Apheresis System may be programmed to perform MNC collections using either MNC or Continuous MNC (CMNC) collection protocols, which are both approved by the FDA and BMS to perform MNC collections for their clinical and commercial CAR T products.

- MNC Collection Cells are collected in cycles using plasma to flush them from a collection chamber into the MNC Collection Bag.
- Continuous MNC (CMNC) Collection Cells are collected in cycles using plasma to flush them from a collection chamber into the MNC Collection Bag. Cells are separated and collected continuously (no cycles).

5.25 Subject Number - Clinical trial specific numbering scheme with elements of the clinical protocol, clinical site ID and sequential subject numbering.

5.26 Total Blood Volume (TBV) - The volume of the patient's circulating blood within their body including plasma and all cellular components. TBV is calculated by the Apheresis instrument using the patient's sex, height and weight (Nadler's equation).

5.27 Whole Blood Processed Volume (WBPV) - The volume of whole blood that travels over the collect or inlet pump during the collection procedure. Specific instrument terms used for this volume are as follows:

- Amicus Separator Whole Blood Processed Volume.
 - This volume includes anticoagulant
- Spectra Optia Apheresis System Whole Blood Processed Volume.
 - This volume **does not include** anticoagulant.

Attachment A Example MNC Collection Procedure Record & Instructions (1 of 2)

See back of record for details COLLECTION CENTER NAME MICONDICEAR CELLS IMPC) BY APPERESS DATE OF COLLECTION DATE DATE OF COLLECTION INFORMATION MNC COLLECTION INFORMATION	ADULT MNC COLLECTION PROCEDURE	RECORD - NORTH AMERIC	A		
EXAMPLE: 04JUL2018 24-hour format MNC MNC MNC COLLECTION INFORMATION MNC CMNC (Optia only) Wenous Access: Peripheral Central Venous Catheter Line Placement Date (if known): Indicate Time Zone: Pacific Mountain (not A2) Mountain (AZ only) Central Eastern Other: Collection Start Time: 24-hour format Collection End Time: 24-hour format Collection Start Time: 24-hour format Collection End Time: 24-hour format Collection Start Time: x 10 ⁹ /L ALC: x 10 ⁹ /L TBV: mL WBC:	COLLECTION CENTER NAME DATE OF COLLECTION D D M M M Y Y Y Y EXAMPLE: 04UUL2018 Patient Weight:kg How was patient identity verification performed? Photo ID I Hospital ID Verbal Verification Verified By: Date:Time:	MONONUCLEAN FOR FURT FOR A UNIT Store and Ship atC. First Name: Last Name: Date of Birth (DDMMMY JOIN: PLACE /	R CELLS (MNC HER MANJFACTURE MANJFACTURE MANJFACTURE CONCUST FOR INFECTION Expension:	BY APHERESIS URING USE SE ONLY US SUBSTANCES hours from collection DIN HERE	end Sine
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MNC Collection Equipment: Amicus Spectra Optia Collection Program: MNC CMNC (Optia only) Venous Access: Peripheral Central Venous Catheter Line Placement Date (if known):	MNC COLLECTION INF	DRMATION			
Implementation Implementation Implementation MNC COLLECTION SUMMARY Patient Identity & MNC Bag Label are verified; label is legible and affixed to the MNC Collection Bag. Implementation Anticoagulant Citrate Dextrose, Formula A (ACD-A). Implementation PASS FAIL Anticoagulant Citrate Dextrose, Formula A (ACD-A). Implementation PASS FAIL There is approximately 5 inches (12.7 cm) of tubing on the MNC Collection Bag. Implementation All seals proximal to the MNC Product are hermetic. No visual leaks observed Implementation OVERATION COLLECTO NLY). Implementation Total volume in MNC Collection Bag is greater than 50 mL (ide-cel ONLY). Implementation N/A Implementation Total volume in MNC Product does not exceed 450 mL (EXCEPT ide-cel). Implementation N/A Implementation MNC PRODUCT SAMPLE (only if applicable) Was an additional QC sample taken from the MNC Product? YES NO If YES, record sample volume collected: Implementation OPERATOR INFORMATION	Venous Access: Peripheral Central Venous Catheter Indicate Time Zone: Pacific Mountain (not AZ) Mounta Collection Start Time: 24-hour format Col	ction Program: MNG Line Placement Dat in (AZ only) Central lection End Time:	e (if knowr	n): Oth ern Oth 24-hou	ner:
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Attachment A Example MNC Collection Procedure Record & Instructions (2 of 2)



Attachment B-1 Example MNC Bag Label Sets (1 of 3)

FOR FURTHER MANUFACTURING USE FOR AUTOLOGOUS USE ONLY NOT EVALUATED FOR INFECTIOUS SUBSTANCES First Name: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	MONONUCLEAR CELLS (MNC) BY APHERESIS FOR FURTHER MANUFACTURING USE FOR AUTOLOGOUS USE ONLY NOT EVALUATED FOR INFECTIOUS SUBSTANCES First Name: NNNNNNNNNNNNNNNNNNNNNN Last Name: NNNNNNNNNNNNNNNNNNNNNN Date of Birth: DD / MMM / YYYY Subject Number: XXXXXXXXXX JOIN: XXXX-XXXXX UUUUUUUUUUUUUUUUUUUUUUUUUUUU			
PLACE APH ID OR DIN HERE	PLACE APH ID OR DIN HERE			
ADDRESS LINE 1 CITY, STATE ZZZZ				
	PO: XXXXXXXXX			
PO: XXXXXXXXX				
PO: XXXXXXXXX JOIN: XXXX-XXXXX	5			
	AFT 400006AAA			
PO: XXXXXXXXX JOIN: XXXX-XXXXX IIIIIIIIIIIIIIIIIIIIIIIIIIII	ing Address Label			

Apheresis Portal Generated MNC Label Set - Clinical Trials

Attachment B-2 Example MNC Bag Label Sets (2 of 3)



Apheresis Portal Generated MNC Label Set - Commercial Collections

Attachment B-3 Example MNC Bag Label Sets (3 of 3)

MONONUCLEAR CELLS (MNC) BY APHERESIS FOR FURTHER MANUFACTURING USE		MONONUCLEAR CELLS (MNC) BY APHERESIS FOR FURTHER MANUFACTURING USE
NOT EVALUATED FOR INFECTIOUS SUBSTANCES		NOT EVALUATED FOR INFECTIOUS SUBSTANCES
First Name:	Fit St	ore and Ship at*C. Experation:hours from collection and an st Name:
Last Name:	La	d Name:
Date of Birth (DD MMM/YYYY)		te of Beth (DDABBM/VVVV)
N/A or Schied Number	[N/A or Subject Number
JON:	OL	N:
PLACE APH ID OR DIN HERE	i i	PLACE APH ID OR DIN HERE
	112157 J	
Product	Store and Ship At:	Expiration (from collection end time)
liso -cel	1-10°C	52 Hours
ide-cel	2-8°C	72 Hours
ide-cel orva-cel, NEX-T CD19, NEX-T BCMA,	2-8∘C 1-10∘C	72 Hours 48 Hours
ide-cel orva-cel, NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO		72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN	2-8-C 1-10-C DL MYERS S IUFACTURIN (Address)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRC5D, ROR-1 BRISTO CAR T MAN	2-8-C 1-10-C DL MYERS S NUFACTURIN (Address)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City)	2-8-C 1-10-C DL MYERS S IUFACTURIN (Address) (State)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City)	2-8-C 1-10-C DL MYERS S NUFACTURIN (Address) (State) (Countrol	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City)	2-8-C 1-10-C DL MYERS S NUFACTURIN (Address) (State) (Country)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO:	2-8-C 1-10-C DL MYERS S NUFACTURIN (Address) (State) (Country)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO: IOIN-	2-8-C 1-10-C DL MYERS S NUFACTURIN (Address) (State) (Country)	72 Hours 48 Hours
ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO: JOIN:	2-8-C 1-10-C DL MYERS S IUFACTURIN (Address) (State) (Country)	72 Hours 48 Hours
Ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO: JOIN:	2-8-C 1-10-C DL MYERS S IUFACTURIN (Address) (State) (Country)	72 Hours 48 Hours
Ide-cel orva-cel , NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO: JOIN:	2-8°C 1-10°C DL MYERS S IUFACTURIN (Address) (State) (Country)	P2 Hours 48 Hours
ide-cel orva-cel, NEX-T CD19, NEX-T BCMA, GPRCSD, ROR-1 BRISTO CAR T MAN (City) PO: JOIN:	2-8°C 1-10°C DL MYERS S IUFACTURIN (Address) (State) (Country)	AB Hours
ide-cel orva-cel, NEX-T CD19, NEX-T BCMA, GPRC5D, ROR-1 BRISTO CAR T MAN (City) PO: JOIN: Shi	2-8°C 1-10°C DL MYERS S NUFACTURIN (Address) (State) (Country) pping Ac	AB Hours

Manual Backup MNC Label Set - Clinical Trial & Commercial Collections

Attachment C Example Schedule Confirmation Form (SCF)

SUBJEC	
01X00X-	T NUMBER 0000-99999
SUBJECT FIRST NAME John	SUBJECT LAST NAME Doe
SUBJECT DATE OF BIRTH 01-JAN-1982	JOIN MHRC-PH99F
CLINICAL SIT	
SITE NAME Test Site	SCHEDULING CONTACT PERSON Test Scheduler
SCHEDULING CONTACT PHONE NUMBER 555-555-5555	SCHEDULING CONTACT EMAIL ADDRESS Scheduler@ct360.com
Scheduling and Cell Logistics will send a n	otification once product availability is known.
LEUKAPHERESIS COLLECTION	SCHEDULE & PICKUP LOCATION
COLLECTION CENTER NAME Test Aph Site	COURIER PICKUP LOCATION FOR COLLECTIO 12345 Testing Way
COLLECTION DATE AND TIME 05-JUN-2020 10:00 PT	Seattle, WA 90100
COLLECTION PICKUP DATE AND TIME 05-JUN-2020 12:00 PT	
MANUF	ACTURING
PRODUCT	MANUFACTURING DELIVERY ADDRESS
Test Product	Test MFG Site
DELIVERY DATE AND TIME	Seattle, WA 98108

Attachment D Example Collection Site Material Certificate of Conformance (CSMCC)

	E##E-E##EEA			
Collection Description:	Adult Autologous Peripheral Blood Mononuclear Cel Collection	l (PBMC)		
Specification Number:	SPEC-liso-cel			
Collection Site Name:	Best Apheresis Center			
Collection Site Address:	123 A Street			
	Anytown, WA 98103			
APH ID/DIN (if applicable):	-			
Patient weight (kg):	60			
Collection End Date/Time ¹ :	04-SEP-2020 12:05 TZ			
Parameter	MNC Collection Requirement	Result		
Label Placement and Patient	Patient Identity & MNC Bag Label are verified; label	Pass		
Identity Verification	is legible and affixed to MNC Product bag.	Dese		
Anticoaguiant	Formula A (ACD-A)	PdSS		
Autologous Plasma	Target volume of autologous plasma (150 mL) was	Pass		
J	collected into MNC Product bag.			
Product Volume	Total volume in the MNC Product bag does NOT exceed 450 mL	Pass		
Bag Seals	All seals proximal to the MNC Product are hermetic.	Pass		
ntegrity	No visual leaks observed.	Pass		
General	left on the leukapheresis product bag.	Pass		
left on the leukapheresis product bag. Comments: I hereby certify that the above information accurately represents the apheresis collection results for the collection material associated with the specified JOIN and collected on the specified date. Approver Name (user name): Liz Lemon Date & Time of Signature1: 04-SEP-2020 12:25 TZ				

 $^1\!\text{Time}$ requires time zone and represents the time zone where the activity took place

Attachment E Cell Therapy 360 Apheresis Portal Summary



Version History

Version No. 3.0	Effective Date: Current			
Quality Event Number:	QE-193394			
 Version History: Updated contents in MNC Shipping Container Credo Cube Updated BMS-986395 shipping container instructions Updated ALC instructions to contact SCLT without results from within 24 hours Updated instructions for entering comments in CT360 Apheresis Portal Updated instructions for DIN entry in CT360 Apheresis Portal Updated instructions for printing CSMCC Included additional pictures to packaging sections Updated order of activation of NanoCool actuator button 				
Version No. 2.0	Effective Date: 30NOV2023			
Quality Event Number:	QE-128183			
 /ersion History: Included instructions on documentation of post-collection sampling Updated all mention of Courier Waybill(s) to Courier Document(s) Clarified using thumb to depress actuator on NanoCool Included additional clinical trial numbers to Tables 2 and 5 Included Courier Documentation Table 				
Version No. 1.0	Effective Date: 20MAR2023			
Quality Event Number:	QE-074058			
Version History:				
 Consolidated JSP-001012: Adult Clinical / JSP-001018: Adult Commercial MNC Colle Updated photos and images Added Quick Reference Guide Updated to Interactive PDF format Updated partner to 2SeventyBio_Inc 	Consolidated JSP-001012: Adult Clinical MNC Collection Procedure - North America & JSP-001018: Adult Commercial MNC Collection Procedure - North America. Updated photos and images Added Quick Reference Guide Updated to Interactive PDF format Updated partner to 2SeventyBio, Inc.			

• Made updates in alignment with RISK-011536 v 2.0

- Re-arranged sections of MNC Collection Procedure
- COI checks updated: removed Waybill verification
- Consolidated REF-001774: Marken Courier Amendment to MNC Collection Procedures Global (v5.0)
- Added commercial drug names throughout
- Added verbiage to avoid overcollection