

# **Laboratory Manual**

**Sonoma Biotherapeutics** 

Protocol Number: SBT777101-01

A Phase 1 Study to Evaluate the Safety, Tolerability, Pharmacokinetics, Pharmacodynamics, and Activity of Single Ascending Doses of SBT777101 in Subjects with Rheumatoid Arthritis

Version/Date: V3 22-Nov-2023

Region: US

# **Version 3 Summary of Changes**

Section	Previous Information	Updated Information	Justification
3 Specimen Labeling (Requisition Forms)	N/A	Pre-Treatment Reassessment Visit 2 forms added to the back of the requisition binder	Per sponsor request
8.1.6 Exploratory Markers - Plasma	Centrifuge within 15 minutes	Centrifuge within 60 minutes	Per sponsor request
1.1.1 Synovial Biopsy (Cryo and FFPE)	N/A	Tables updated	Per sponsor request
8.1.3 ADA 8.1.4 Exploratory Markers - Serum	N/A	If the serum is not separated from the blood after centrifugation, re-centrifuge the sample until the serum is separated.	Per sponsor request
8.1.5 PBMC (collection) 8.1.8 Synovial Fluid (Supernatant and Cell Pellet)	N/A	Heparin tube picture corrected (no gel layer)	Per sponsor request
14 Appendix F   Quick Reference Chart	V3	V5 plasma sample spin time updated, respin instruction added for serum samples, and comment added for Pre Treatment Reassessment visits	Per sponsor request

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# 1 Laboratory Information

The first section of the Laboratory Manual provides an overview of basic laboratory information such as contact information, specimen collection and processing instructions, shipping guidelines, laboratory reporting details, and accreditation certificates. The study-specific section provides detailed instructions related to a particular study.

#### 1.1 Contact Information

#### **Medpace Reference Laboratories (MRL)**

5365 Medpace Way

Cincinnati, Ohio, US 45227

Phone: +1.513.366.3270 or +1.800.749.1737 (North America sites only)

Fax: +1.513.366.3273 or +1.800.705.2177 (North America sites only)

#### **Client Services**

The extension for the Project Manager assigned to your protocol is in the study-specific laboratory manual. Contact client services to clarify sample collection procedures or shipment temperature, request additional laboratory supplies, or re-send laboratory reports. You should have the following information available each time you contact MRL:

- · Sponsor name
- · Protocol number
- · Site number
- · Subject ID (where applicable)
- · Date of collection and visit (where applicable)

#### 1.2 MRL Hours of Operation and Holiday Observances

<b>Monday - Friday</b> 8:00am - 5:00pm (ET)	2023	2024	2025	US Laboratory Public Holiday
8.00am - 3.00pm (LT)	01 January	01 January	01 January	New Year's Day
Saturday 8:00am - 4:30pm (ET)	29 May	27 May	26 May	Memorial Day
. , ,	04 July	04 July	04 July	Independence Day
Sunday and Public Holidays Closed*	04 September	02 September	01 September	Labor Day
	23 November	28 November	27 November	Thanksgiving Day
*Couriers do not deliver specimens on those days. Sites will be notified in advance if shipping adjustments are required because of public holidays.	25 December	25 December	25 December	Christmas Day



### 2 Laboratory Materials

MRL provides sites with study-specific supplies, including (as applicable):

- · Laboratory Manual: general and study-specific
- · Quick Reference Chart: laboratory schedule and abbreviated sample processing instructions
- · Visit-specific laboratory kits
- · Extra laboratory supplies
- · Subject requisition forms
- Packaging and shipping materials (boxes, pre-printed airbills, labels)
- · Letter indicating the latest time that the local courier can be contacted to ensure same-day pick-up

#### 2.1 Specimen Collection Supplies

Each visit-specific kit is labeled with the Sponsor Name, Protocol Number, Visit(s) the kit is to be used for, and Expiration Date of the kit. Lab kit labels have a peel-off barcode label that must be removed from the used lab kit's label and affixed to the requisition form for the corresponding visit. If there are multiple pages of requisitions provided for a given visit, affix the lab kit barcode label to the first requisition page. There is space on the requisition form to place the lab kit barcode label (refer to section 3.1).

Extra laboratory supplies are provided in the initial supply shipment for unscheduled visit testing or in cases where additional supplies are needed (e.g., vacutainer tube included in lab kit does not contain vacuum).

Prior to phlebotomy, ensure that laboratory kits are not expired. Expiry date is indicated on the laboratory kit label. Pay particular attention to the expiration date of each component taken from extra supplies prior to use.

To request additional laboratory supplies, please order via web at www.medpace.com within the **study-specific** MRL ClinTrak web portal. As secondary/back-up options, please send the Laboratory Re-Supply Form (Appendix I) via fax (513.366.3273), e-mail (MRL-US-PA@medpace.com), or contact the Client Services Department via phone (513.366.3270 ext. 11304). Allow 1-2 weeks for delivery.

# 3 Specimen Labeling (Requisition Forms)

Each set of requisition forms is subject-specific and includes forms for all study visits with laboratory assessments. Forms for early termination, pre-treatment reassessment, and unscheduled visits, if applicable, are provided in the back of each set. We recommend keeping the requisition set in a unique location per subject, like the subject file.

#### 3.1 Overview of the Requisition Form

Standard demographic information collected on a requisition form may include (see Figure 1):

- · Subject randomization number
- · Subject sex at birth
- · Subject age at time of collection
- · Date of collection
- · Time of collection (24-hour clock)
- Is Subject Fasting?
- · Childbearing Potential

Refer to Section 7 for the study-specific demographic information collected on the requisition form.



**Important:** Incomplete or illegible information prompts immediate site contact for verification. In cases where the issue cannot be resolved promptly, sending the laboratory report may be delayed.



Space is identified in the header of the first requisition page of each visit to affix the peel-off barcode label from the lab kit used for that visit (Figure 1).



**Important:** Remember to provide this barcode for every subject visit so that MRL can track the number and expiration date(s) of kits remaining at the site.

The columns of the Requisition Form have specific uses (Figure 1).

Column	Information
1	Small labels are provided for site use
2	Abbreviated specimen processing and shipping instructions
3	Labels provided to place on the primary collection tube (vacutainer or urine cup)
4	Labels are provided for placement on secondary containers (transfer vial or slide mailer as applicable)
5	Labels are provided for placement on the individual hematology blood slides (as applicable)



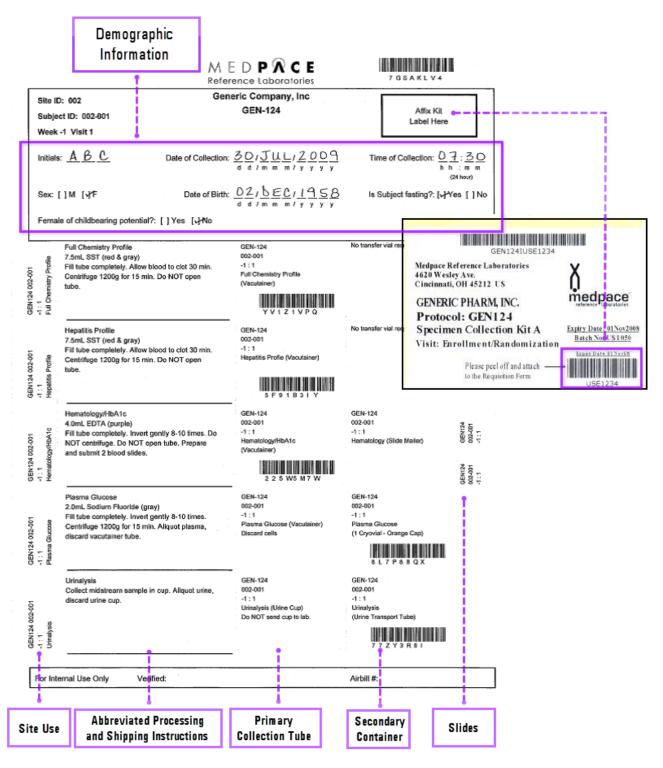


Figure 1 - Requisition Form

Secondary Container labels (Figure 2) should be placed on the corresponding tube lengthwise in the middle of the tube or vial as shown in Figure 3. Labels should not cover the cap of the tube.

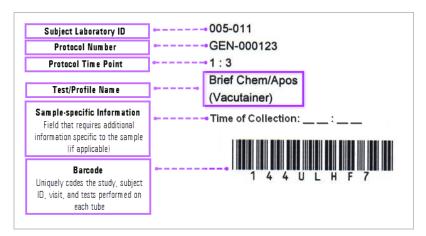


Figure 2 - Example Specimen Label

#### **Correct labeling:**

Lengthwise. Do NOT cover cap of the tube.





#### Incorrect labeling:

This label is not lengthwise.

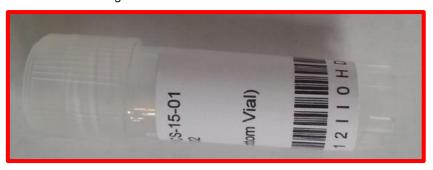


Figure 3 - Label Placement



#### 3.2 Submitting Requisition Forms

Submit completed requisition forms to MRL in the shipment box together with the corresponding samples. In cases where back-up aliquots are shipped separately from the primary sample, the original completed requisition form must be copied PRIOR to the first shipment and a copy included with the subsequent shipments.

Requisition forms for samples shipped periodically in batches should be kept at the site with the samples until shipment. Photocopies of completed requisition forms, along with the shipment tracking number, should be maintained in site files.

If multiple forms are available for an unscheduled visit, ALL forms should be completed with the requested demographic information and submitted to the laboratory, even if no labels from a particular page are used.

In cases where a sample is not collected (e.g., difficult venipuncture, error, or subject unable to void a urine sample), leave the barcode label for that sample affixed to the requisition and make a notation next to the label the reason why the sample was not submitted. Refer to the example in Figure 4:

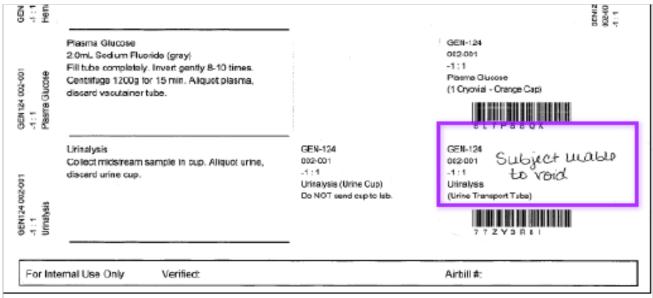


Figure 4 – Example Notation



# 4 Specimen Shipping

Sites are responsible for obtaining training of their staff for the shipment of biological specimens.

If safe transport of ambient specimens cannot be guaranteed within 24 hours of collection, contact the study-specific MRL Project Manager. Refer to Appendix E, Alternate Specimen Handling/Shipping Arrangements for instructions on how to proceed in emergency or other unusual circumstances that interrupt or affect normal shipping or delivery of samples to the MRL US facility.

#### 4.1 Shipping Supplies

All shipping supplies provided by MRL are in compliance with international regulations (IATA PI650 / UN3373). Preprinted airbills are provided that contain the site address as the shipper, MRL address, description of contents, and overnight shipment designation.

#### 4.1.1 Dry Ice

MRL US does not routinely provide sites with dry ice, although we can assist in locating dry ice providers in the vicinity of the site. Contact the study-specific MRL Project Manager should you have difficulty, or require assistance, in obtaining dry ice for specimen shipments.

#### 4.1.2 Instructions for Completing the List of Contents

An itemized List of Contents must be included in each shipment, as required by current shipping regulations for biological substances. This complies with International rules & regulations pertaining to the transport of Diagnostic Specimens/Biological Substances Category B (IATA UN3373 – Packing Instruction 650). This is required by IATA for transportation, is valid for such purposes only, and is not subject to any internal audit or archiving obligations.

- STEP 1 The List of Contents is incorporated onto the inner lid of the shipping boxes. (See Figure 5)
- STEP 2 One itemized List of Contents must be completed for the entire contents of each shipping box (one List of Contents per outer container).
- STEP 3 Complete the List of Contents, indicating the Protocol number and site number associated with the samples. Check the box next to each sample type included in the shipment and enter the quantity of vials included for each sample type on the line to the right of the description.



**Note:** Serum separator tubes (red or gold tops) are classified as whole blood. The person who packed the shipment and completed the List of Contents must print his/her name, sign and date the bottom of the form (Figure 5).



Dooking Chipping List /	ist of Contonto)
Packing - Shipping List (L	,
Protocol Number <u>GEN1</u>	23 Site Number 001
Check the box next to each	ch sample type included in this shipment and enter the number of each sample type
on the line to the right of the	he description:
⋈ Human blood (whole)	x <u>1</u> tubes x <u>2</u> blood smears
Human urine	x <u>1</u> vials
Human serum	x <u>2</u> vials
☐ Human plasma	x vials
☐ Human tissue	x slides / biopsies in solution / other(Circle the appropriate medium)
☐ Other:	_ x quantity
Specimens packed by:	
Name (Printed)	<u>Smith</u>
Signature	
This document complies v	vith International rules & regulations pertaining to the transport of Diagnostic
Specimens/Biological Sub	stances Category B (IATA UN3373 - Packing Instruction 650).
This document is required	by IATA for transportation, is valid for such purposes only and is not subject to any
internal audit or archiving	obligations.

Figure 5 – Itemized List of Contents

#### 4.2 Preparing Specimens for Shipment

#### 4.2.1 Refrigerated/Ambient Shipments

Refrigerated temperature shipments are defined as shipments in the temperature range of 2°C to 8°C. Ambient temperature shipments are defined as shipments in the temperature range of 15°C to 25°C. Specimens intended for refrigerated and ambient shipment should be shipped on the day of collection whenever possible.

STEP 1 Refrigerated/Ambient boxes will arrive at your site compressed. Please open the compressed box at least 24 hours before you intend to use it, so that the foam insulation may fully expand. Assemble the shipping box by folding the numbered flaps in numerical order.



STEP 2 Refrigerant packs included with compressed boxes should be frozen for a minimum of 24 hours at -20°C ±5°C prior to use. Do NOT freeze refrigerant packs at ultralow temperatures (-75°C ±10°C), as this will result in samples freezing in transit.



STEP 3 Confirm that all demographic information is filled out on the requisition form(s), that the itemized List of Contents has been completed, and that all tubes are properly labeled.





#### 4.2.1.1 Refrigerated Section

STEP 1 Place the tubes for refrigerated shipment in the 95kPa absorbent safety specimen bag(s) and seal the bag(s) (maximum 7 tubes per bag) as per the instructions on the bag.



STEP 2 Place the refrigerant pack (previously frozen at -20°C ±5°C for at least 24 hours) in the larger foam compartment.



**Note:** If using a saddle-bag refrigerant pack, one saddle-bag is sufficient. If using individual refrigerant packs, please use two packs per box.



**Important:** Do not freeze the refrigerant pack at ultra low temperatures (-75°C ±10°C), as this will result in the samples freezing in transit.

**STEP 3** Place the foam insert on top of the refrigerant pack.





STEP 4 Place the refrigerated samples, in the 95kPa absorbent safety specimen bag(s), on top of the foam insert.



#### 4.2.1.2 Ambient Section

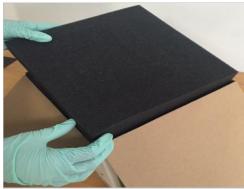
STEP 1 Place the tubes for ambient shipment in the 95kPa absorbent safety specimen bag(s) and seal the bag(s) (maximum 7 tubes per bag) as per the instructions on the bag.



STEP 2 Place the Ambient samples, in the 95kPa absorbent safety specimen bag(s), into the smaller foam compartment.



**STEP 3** Place the foam lid securely over the sample compartments.



- STEP 4 Fold and place the requisition form(s) on top of the foam lid. Complete the List of Contents on the inner lid of the box, close the box, and secure with tape.
- **STEP 5** Complete the courier airbill as outlined in section 4.3.2.
- STEP 6 Complete the List of Contents on the inner lid of the box, close the box, and secure with tape.



#### 4.2.2 Frozen Shipments

Frozen temperature shipments are defined as shipments <-20°C ±5°C. Frozen shipments are shipped Monday through Wednesday only (or Thursday if expected transit time does not exceed 24 hours) to ensure receipt during normal business hours. Refer to section 9.0. of this manual for study-specific instructions for the frequency of frozen shipments.



- STEP 1 Confirm that all demographic information is filled out on the requisition form(s), that the itemized List of Contents has been completed, and that all tubes are properly labeled.
- STEP 2 Place the tubes for frozen shipment in the 95kPa absorbent safety specimen bag(s) (maximum 7 tubes per bag) and seal the bag(s).



STEP 3 Line the bottom of the insulated cooler with at least 4 pounds (2 kg) of dry ice.



STEP 4 Place the safety specimen bag(s) into the insulated cooler on top of the dry ice.



STEP 5 Place at least an additional 4 pounds (2 kg) of dry ice in the insulated cooler around the specimens. Care should be taken not to overfill with dry ice so as to prevent the lid from being tightly fitted onto the cooler.



**Important:** Use granular dry ice—NOT chunks of dry ice—because chunks can damage samples in transit.



STEP 6 Place the lid on the insulated cooler, ensuring that it is inserted securely.



- STEP 7 Place the completed requisition form(s) on top of the insulated cooler.
- STEP 8 Complete the List of Contents on the inner lid of the box, close the box, and secure with tape.
- STEP 9 Record information on the dry ice label as outlined in section 4.3.1.
- STEP 10 Complete the courier airbill as outlined in section 4.3.2.



#### 4.3 Box Labeling and Courier Instructions

#### **Box Labeling** 4.3.1

- · The outside of each shipping bag or box must clearly display the UN3373 and Biohazard symbols, as detailed below. All supplies provided by MRL for use as outer containers have these labels applied already.
- · Shipments sent on a Thursday or Friday should be labeled with a Saturday Delivery label.
- · If multiple ambient boxes are shipped inside of a courier envelope, an Overpack label must be used.









If shipping dry ice, record the information in Figure 6 on the dry ice label on the side of the box:

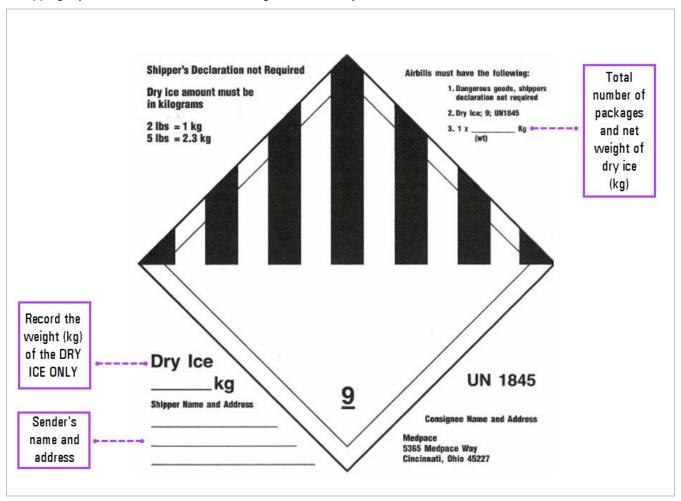


Figure 6 - Dry ice shipment information

#### 4.3.2 FedEx Airbill Instructions

#### 4.3.2.1 Ambient or Refrigerated Shipments, Thermal Label Airbill (US)

- · Remove the thermal label from the backing.
- Keep the top portion of the label for your records (Figure 7).
- Place the adhesive label on the side of the bag or box. Place a Saturday Delivery sticker on the package if mailed on Thursday or Friday.



**Important:** Thermal label airbills contain a billing reference to the protocol and site number for tracking purposes; therefore, use airbills Only for shipping samples for the study for which they are provided.





Figure 7 - Ambient or Refrigerated Shipments, Thermal Airbill (US)



**Note:** When ordering additional thermal label airbills, you must specify whether you need labels for ambient/refrigerated or frozen shipments.

#### 4.3.2.2 Frozen Shipments, Thermal Airbills (US)



Important: Ensure you are using a label specific for dry ice for all frozen shipments.

- Remove the thermal label from the backing.
- Keep the top portion of the label for your records (Figure 8).
- Place the adhesive label on the side of the bag or box. Place a Saturday Delivery sticker on the package
  if mailed on Thursday or Friday.





**Important:** Thermal label airbills contain a billing reference to the protocol and site number for tracking purposes; therefore, use airbills only for shipping samples for the study for which they are provided.



Figure 8 - Frozen Shipments, Thermal Airbill (US)

#### 4.3.3 Scheduling Courier Pick-Ups

- A memo indicating the local courier contact information and the cut-off time by which the local courier
  must be contacted to ensure a same day pick-up is provided to each site as part of initial supplies. It is
  the site's responsibility to time collections so that samples can be shipped on the day of collection, if
  possible.
- Courier assignments are made based on efficiencies within each country or region. Sites may deviate from the courier assignment only with the written approval of the Sponsor or CRO.
- FedEx Account Number: 2986-1476-6
- There are no pick-ups on Sundays or public holidays.



Refer to sections 1-Error! Reference source not found. of this manual for general instructions and information.

#### 5 SBT777101-01 Quick Reference Chart

- Refer to Appendix F | Quick Reference Chart for a listing of profiles/tests to be performed at each visit and abbreviated specimen collection and processing procedures, shipment temperatures, and shipment frequencies.
- The total blood volume required for this study for samples analyzed or managed by Medpace is 696 mL.

#### 6 SBT777101-01 Contact Information

Re-sending of laboratory reports, additional supplies, or general questions:

- Contact Client Services at +1.513.366.3270/+1.800.749.1737
- MRL-US-PA@medpace.com

Complex Protocol-Related / Technical Questions:

- Contact Project Management at +1.513.366.3270 / +1.800.749.1737
- Project Coordinator: Amanda Rellahan x11504; a.rellahan@medpace.com
- Project Coordinator: Bradley Meyer x7612581; b.meyer@medpace.com
- Project Coordinator: Riley Steward x16691; r.steward@medpace.com

# 7 SBT777101-01 Requisitions

Refer to section 3 of this manual for general information and instructions on the use of requisition forms.

Each subject will be given a Laboratory Subject ID which will be assigned sequentially at each site, be pre-printed on the requisition forms, and will remain consistent throughout the duration of the trial.

- The subject ID format for this trial will be S01-XYY-ZZZ (3 digit prefix 1 digit country code + 2 digit site 3 digit subject)
- · The following information will be collected in the header of the requisition forms:

Visit	Information	Format	Notes
All Visits	Year of Birth	уууу*	
All Samples	Age		
	Date of Collection	DD-MMM-YYYY	Ex: 04-JUL-1776
	Time of Collection	HH:MM (24-hour clock)	
	Sex at Birth	M / F (checkbox)	
All Visits	Biopsy Site	Free Text	
Cryo Synovial Biopsy & FFPE Synovial Biopsy	Biopsy Date of Collection	DD-MMM-YYYY	
All Visits FFPE Synovial Biopsy	Transferred to Ethanol	Y/N (checkbox)	

### 8 SBT777101-01 Sample Collection and Processing

- The phlebotomist should become familiar with the lab kit supplies, order of draw, and sample processing instructions prior to collection.
- · Check the expiration date of laboratory supplies in advance.



- · Prepare the requisition forms required for the specific visit corresponding to the subject's ID.
- Phlebotomy should be performed using universal precautions and according to site guidelines.
- · All tubes should be filled completely to ensure adequate volume for testing.
- Label the tubes using the provided labels on the requisition forms and make a copy of the forms for your records.

#### 8.1 Venous Blood Collection

#### 8.1.1 Order of Tube Collection

Refer to the Quick Reference Chart for proper order of collection. Tubes must be collected in the same order as listed on the Quick Reference Chart to avoid carryover of additives.

SST >> CPT NaHep >> EDTA

#### 8.1.2 Blood Specimens – Centrifugation

- · We recommend using swinging bucket centrifuges for high-quality results.
- Refer to Appendix B, Centrifuge Conversion Chart, for sample-specific centrifugation time and force, in addition to instructions on the conversion from g(RCF) to RPM.
- Samples should always be visually inspected following centrifugation to ensure complete separation of the red cells below and a clear plasma/serum layer above.
- Troubleshooting: When looking at the tube in the upright position, if the gel does not form a horizontal barrier between serum (clear layer) and cells (see unspun or partially spun examples in Figure 9), please ensure that clotting time before centrifugation and resting time after centrifugation are respected for all future collections. In addition, please ensure centrifuge is well calibrated and that g(RCF) to RPM conversion was performed (refer to conversion table in Appendix B). Do not re-spin tube.

Unspun Sample



Well-spun Sample







Figure 9 - Centrifuged Samples

#### 8.1.3 **ADA**







STEP 1 Fill the tube completely.



STEP 2 Mix immediately by gently inverting the tube 5 times.

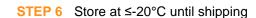


STEP 3 Allow the blood to clot in the upright position for 30 to 60 minutes.



STEP 4 Within 60 min of collection, centrifuge the tube for 10 to 15 minutes at 1800 g to 2200 g (RCF not RPM). The SST tube should NOT be refrigerated prior to centrifugation. There should be complete separation of serum and blood cells via the separation gel. If the serum is not separated from the blood after centrifugation, recentrifuge the sample until the serum is separated

STEP 5 Using a transfer pipette, aliquot 0.5mL of serum each into the first 2 x 2.0 mL Sarstedt cryovials and divide the remaining serum between the other 2 x 2.0 mL Sarstedt cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.



**STEP 7** Ship cryovials to MRL frozen in weekly batches.



#### 8.1.4 **Exploratory Markers - Serum**







**STEP 1** Fill the tube completely.



Mix immediately by gently inverting the tube 5 times.

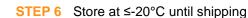


STEP 3 Allow the blood to clot in the upright position for 30 to 60 minutes.



STEP 4 Within 60 min of collection, centrifuge the tube for 10 to 15 minutes at 1800 g to 2200 g (RCF not RPM). The SST tube should NOT be refrigerated prior to centrifugation. There should be complete separation of serum and blood cells via the separation gel. If the serum is not separated from the blood after centrifugation, recentrifuge the sample until the serum is separated.

Using a transfer pipette, aliquot 0.5mL of serum each into the first 2 x 2.0 mL Sarstedt cryovials and divide the remaining serum between the other 2 x 2.0 mL Sarstedt cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.



STEP 7 Ship cryovials to MRL frozen in weekly batches.



#### 8.1.5 **PBMC (collection)**



10.0mL Sodium Heparin Tube (Green Top) – PBMC sample for RCL, PBMC sample for exploratory biomarkers, and PBMC sample for cellular immunogenicity



**STEP 1** Fill the tube completely.



STEP 2 Mix immediately by gently inverting the tube 8-10 times.

STEP 3 Do NOT centrifuge. Do NOT open tube.

STEP 4 Ship tube to MRL ambient **on day of collection** and submit PBMC Sample submission form located in Appendix H.



#### 8.1.6 Exploratory Markers - Plasma

4.0mL K2EDTA (Purple Top) – Plasma Sample for exploratory markers



(K2 Ethylenediaminetetraacetate)



**STEP 1** Fill all tubes completely.



STEP 2 Mix immediately by gently inverting the tube 8-10 times and immediately place on wet



STEP 3 Within 60 min of collection, centrifuge at 4°C for 10 to 15 minutes at 1800 - 2200 g (RCF not RPM). There should be complete separation of the plasma and blood cells.



STEP 4 Using a transfer pipette, aliquot 0.5 mL of plasma into 4 x 2.0 mL Sarstedt cryovials (8 cryovials for Pre-Treatment) and freeze until shipment.



STEP 5 Store at ≤-20°C until shipping

STEP 6 Ship cryovials to MRL frozen in weekly batches.



#### 8.1.7 **PK ddPCR**

3.0mL K2EDTA (Purple Top) – Blood Sample for PK (pharmacokinetic)



(K2 Ethylenediaminetetraacetate)



STEP 1 Fill tube completely as a partial fill results in over anticoagulated plasma, impacting results of testing.



STEP 2 Mix immediately by gently inverting the tube 8-10 times.

**STEP 3** Do NOT Centrifuge.



STEP 4 Using a transfer pipette, divide blood evenly between 2 x 2.0 mL Sarstedt cryovials and freeze until shipment.

STEP 5 Store at ≤-70°C until shipping

STEP 6 Ship cryovials to MRL frozen in weekly batches.



#### 8.1.8 Synovial Fluid (Supernatant and Cell Pellet)

4.0mL Sodium Heparin Tube (Green Top)



#### Refer to the Biopsy manual for detail description of synovial fluid processing.



STEP 1 Fill tube with synovial fluid 0.3 mL-4 mL

STEP 2 Mix immediately by gently inverting the tube 8-10 times



STEP 3 Within 2 hours of collection, centrifuge at room temperature at 500 g for 10 minutes.



STEP 4 The supernatant (cell free synovial fluid) should be transferred into 2.0mL Sarstedt cryovials

If 0.3 mL to 4 mL is collected, split the total volume between two tubes (x2).

If less than 0.3 mL is collected, freeze all the synovial fluid in one vial (x1).



STEP 5 Store each aliquot at ≤-70°C.

**STEP 6** The cell pellet should be resuspended in cold PBS.



STEP 7 Centrifuge at room temperature at 500 g for 10 minutes.

STEP 8 The new cell pellet should be resuspended in 1 mL of cold CryoStor CS10 media and immediately transferred to 1 x 2.0mL Corning cryovial.



STEP 9 Transfer the cell pellet aliquot to pre-cooled Corning CoolCell and place in ≤-70°C freezer.

STEP 10 Allow cell pellet samples to condition for at least 24 hours and no longer than 7 days in ≤-70°C before shipping.

STEP 11 Ship samples to MRL frozen in weekly batches.



#### 8.1.9 Synovial Biopsy (Cryo and FFPE)

Refer to the Biopsy manual for detailed processing description of synovial tissue processing.

- 8.1.9.1 Synovial tissue fragments should be placed in 12-well plate prefilled with phosphate buffer saline (PBS). Identify and inspect tissue fragments. Select synovial tissue fragments to be placed in 10% formalin tube (Provided as a bulk supply) and then select synovial tissue samples for freezing in Cryostor CS10 medium (provided as a bulk supply), as described in Table 1 and 2.
  - FFPE Synovial Biopsy (Fixed Tissue) samples will be placed in 1 x 20mL vial containing 10 mL of 10% Formalin (provided as a bulk supply). This sample must be shipped to Mosaic Labratories L.L.C refrigerated on the day of collection. If for some reason the sample cannot shipped on the day of collection, then it must be transferred to a 20 mL container pre-filled with 10 mL of 70% Reagent Grade Alcohol (Provided as bulk supply).
  - Cryo Synovial Biopsy (Frozen Tissue) ~1mm tissue fragments will be placed 2.0mL Corning Cryovials pre-filled 2 mL of Cryostor CS10 medium and stored at ≤-70°C until shipping. These samples will be shipped to MRL frozen in weekly batches.
    - If more than 8 fragments are collected for freezing, split them between two tubes (x2).
    - If less than 8 fragments are collected for freezing, use one freezing vial (x1).

Table 1: Allocation of Large Joint (Knee/Ankle) Specimens:

	Preservation	Number of fragments	Format	Process
1	Formalin Fixed tissue (FFPE Synovial Biopsy)	6 – 8ª	Loose in a pre-filled vial with 10% formalin	Place tissue directly into 10% formalin
2	Frozen tissue (Cryovials)	6 – 8ª	Loose in in a cryovial filled with Cryostore CS10	Cut tissue to ~1 mm pices and place it into 2 mL cold Cryostor medium

<sup>&</sup>lt;sup>a</sup> Allocate 6 fragments first for fixation and then allocate 6 fragments for freezing. Divide any additional fragments evenly between the fixed and frozen samples. Collect up to 16 fragments in total (even if using Portal and Forceps method, which would typically generate 20-30 fragments).

Table 2: Allocation of Small/Medium Joint (Wrist/Digits) Specimens

	Preservation	Number of fragments	Format	Process
1	Formalin Fixed tissue (FFPE Synovial Biopsy)	4-6 <sup>a</sup>	Loose in 10% formalin in a pre-filled vial	Place tissue directly into pre-filled vial
2	Frozen tissue (Cryo)	4-6a	Loose in CryoStor CS10 medium in a cryovial	Place tissue into 2 mL cryovial with 2 mL cold Cryostor medium

<sup>&</sup>lt;sup>a</sup> Allocate 4 fragments first for fixation and then allocate 4 fragments for freezing. Divide any additional fragments evenly between the fixed and frozen samples. Collect up to 12 fragments in total.



#### 8.2 SBT777101-01 Shipment Information

FedEx is the courier for all sites in the study.

Ambient samples are shipped ambient to MRL on the day of collection.

The following samples will be shipped ambient for this study:

PBMC

Refrigerated samples are shipped with refrigerant packs (4°C) on the day of collection. Each shipment should contain one (1) or two (2) refrigerant packs that have been frozen overnight for a minimum of twenty four (24) hours at-20°C ±5°C, NOT-75°C ±10°C, which would cause the samples to freeze during shipment. If using a saddle-bag refrigerant pack, one (1) saddle-bag per box is sufficient. If using individual refrigerant packs, please use two (2) refrigerant packs per box.

The following samples will be shipped refrigerated to **Mosaic** on the day of collection for this study:

· FFPE Synovial Biopsy

If this sample cannot be shipped on the day of collection please refer to the biopsy manual for instructions on transferring the sample to alcohol.

**Frozen samples** are stored at the site frozen (-20°C ±5°C or below or -70°C ±10°C or below) and shipped to Medpace Reference Laboratories on dry ice. Frozen shipments should be sent according to the schedule noted below. For weekly or monthly batches, it is recommended that shipments occur on Monday, Tuesday, or Wednesday only.

The following frozen samples will be shipped in weekly batches:

- · ADA (Serum Sample for ADA (Anti-drug Antibody))
- Exploratory Markers Serum (Serum Sample for Exploratory Makers)
- · PK ddPCR (Blood Sample for PK (Pharmacokinetics))
- Exploratory Markers Plasma (Plasma sample for Exploratory Markers)
- · Synovial Fluid Supernatant
- · Synovial Fluid Cell Pellet
- · Cyro Synovial Biopsy

Refer to section 4 of this manual for instructions on how to package samples for shipment at various temperatures.



# 9 Appendix A | CAP and CLIA Certificates

(page 1 of 2)



# CERTIFICATE OF ACCREDITATION

Medpace Reference Laboratories Cincinnati, Ohio Traci Turner, MD, MT(ASCP)

CAP Number: 7185149 AU-ID: 1405873

CLIA Number: 36D1023277

The organization named above meets all applicable standards for accreditation and is hereby accredited by the College of American Pathologists' Laboratory Accreditation Program. Reinspection should occur prior to **May 18**, **2024** to maintain accreditation.

Accreditation does not automatically survive a change in director, ownership, or location and assumes that all interim requirements are met.

86/800VIS, MI)

Kathleen G. Beavis, MD, Accreditation Committee Chair Emily Volk, MD, FCAP, President, College of American

Pathologists



#### CENTERS FOR MEDICARE & MEDICAID SERVICES CLINICAL LABORATORY IMPROVEMENT AMENDMENTS CERTIFICATE OF ACCREDITATION

LABORATORY NAME AND ADDRESS MEDPACE REFERENCE LABORATORIES LLC 5365 MEDPACE WAY CINCINNATI, OH 45227

CLIA ID NUMBER 36D1023277

EFFECTIVE DATE

06/03/2022

EXPIRATION DATE

06/02/2024

LABORATORY DIRECTOR

TRACI TURNER M.D.

Pursuant to Section 353 of the Public Health Services Act (42 U.S.C., 263a) as revised by the Clinical Laboratory Improvement Amendments (CLIA), the above named laboratory located at the address shown hereon (and other approved locations) may accept human specimens for the purposes of performing laboratory examinations or procedures.

This certificate shall be valid until the expiration date above, but is subject to revocation, suspension, limitation, or other sanctions for violation of the Act or the regulations promulgated thereunder.



Monique Spruill, Director
Division of Clinical Laboratory Improvement & Quality
Quality & Safety Oversight Group
Center for Clinical Standards and Quality

# 10 Appendix B | Centrifuge Conversion Chart (RCF to RPM)

A certain relative centrifugal force (RCF) in g's is required to separate cells from serum/plasma. Centrifuges typically measure revolutions per minute (RPM) and not g's. The number of RPMs required to obtain a given g is calculated by the following equation:

RPM = 
$$\sqrt{\frac{\text{RCF x } 10^5}{1.12 \text{ x r}}}$$

**Centrifugal Force** – The force that tends to make rotating bodies move away from the center of rotation (i.e., separation of cells and plasma/serum in a tube).

**Relative Centrifugal Force (RCF)** – The centrifugal force (see above), expressed as number of times greater than gravity (g). Example: 1200 x g, also written as 1200g.

Revolutions per Minute (RPM) - The number of rotations per minute of the centrifuge rotor (moving head).

**Radius** (r) – Swinging bucket centrifuges – the distance (in cm) from the center of the centrifuge head (post the head rests on) to the bottom of the bucket.

Fixed angle centrifuges – the distance (in cm) from the center of the centrifuge head (post the head rests on) to the middle of the sample compartment.

Centrifuge Radius (in cm)	Force of 1200g	Force of 1500g	Force of 1800g	Forge of 2200g
8	3600 rpm	4100 rpm	4500 rpm	5000 rpm
10	3300 rpm	3700 rpm	4000 rpm	4500 rpm
12	3000 rpm	3400 rpm	3700 rpm	4100 rpm
14	2800 rpm	3100 rpm	3400 rpm	3800 rpm
16	2600 rpm	2900 rpm	3200 rpm	3500 rpm

After centrifugation, there must be complete separation of the serum/plasma and cells.



## 11 Appendix C | Biotin Interference

Biotin is a B vitamin that is found in a variety of foods. It helps turn the carbohydrates, fats, and proteins into energy. The amount of biotin required daily depends on the individual's age, and it is recommended that adults receive 30 µg/day [1].

High levels of biotin may cause interference with certain immunoassays using biotin-streptavidin technology [2, 3, 4]. Typical dietary biotin intake does not reach amounts capable of causing interference, but high dose biotin, as sometimes recommended in the treatment of certain diseases/conditions (e.g., multiple sclerosis (MS) and dermatologic conditions) may be sufficient to impact laboratory tests using biotin-streptavidin technology. Also, multivitamins, biotin supplements, dietary supplements for hair, skin, and nail growth may contain amounts of biotin capable of interference with laboratory tests. Such interference may cause falsely high or falsely low results depending on the assay. Physicians should advise patients to abstain from high levels of biotin intake for at least 48 hours before the blood collection for immunoassay tests [5].

The FDA provides recommendations for Health Care Providers in safety communications regarding biotin [2, 3] that can be accessed at <a href="www.fda.gov/medical-devices/safety-communications/update-fda-warns-biotin-may-interfere-lab-tests-fda-safety-communication">www.fda.gov/medical-devices/safety-communications/update-fda-warns-biotin-may-interfere-lab-tests-fda-safety-communication</a>.

Laboratory Tests with Potential Interference by High Biotin Lev	rels
Adrenocorticotropic Hormone (ACTH)	Human Immunodeficiency Virus 1&2 p24 (HIV combi PT)
Alpha Fetoprotein (AFP)	Insulin
C-Peptide	Luteinizing Hormone (LH)
CA-125	Myoglobin
Calcitonin	Neuron Specific Enolase (NSE)
Carcinoembyonic Antigen (CEA)	Osteocalcin
Human Chorionic Gonadotrophin (ß-hCG)	Parathyroid Hormone (PTH), Intact
Cortisol	Pro BNP
Creatine Kinase MB Isoenzyme (CK-MB)	Procollagen Type 1 N-terminal Propeptide (P1NP)
Cytomegalovirus, IgG (CMV IgG)	Progesterone
Cytomegalovirus, IgM (CMV IgM)	Prolactin
Dehydroepiandrosterone Sulfate (DHEA-S)	Prostate Specific Antigen (PSA)
Estradiol	QuickVue Pregnancy Test
Ferritin	S-100
Folate	Sex Hormone Binding Globulin (SHBG)
Folicle Stimulating Hormone (FSH)	Telopeptide C Terminal, Type 1 Collagen (ß-Crosslaps)
Hepatitis A Virus Antibody (Anti-HAV), IgM, and Total	Testosterone, Total
Hepatitis B Core Antibody (Anti-HBc), IgM, and Total	Thyroid Stimulating Hormone (TSH)
Hepatitis B Envelope Antibody (Anti-HBe)	Thyroxine, Free (FT4)
Hepatitis B Envelope Antigen (Anti-HBe Ag) (Qualitative)	Thyroxine, Total (T4)
Hepatitis B Envelope Antigen (Anti-HBe Ag) (Quantitative)	Triiodothyronine, Free T3 (FT3)
Hepatitis B Surface Antibody (Anti-HBs)	Triiodothyronine, T3
Hepatitis B Surface Antigen (HBs Ag) (Qualitative)	Troponin I
Hepatitis B Surface Antigen (HBs Ag) (Quantitative)	Troponin T, High Sensitivity
Hepatitis B Surface Antigen Confirmatory (HBs Ag) (Qualitative)	Vitamin B12
Hepatitis C Virus Antibody (Anti-HCV)	Vitamin D, 25 OH

#### References:

[1] National Institutes of Health. Biotin fact sheet for consumers. ods.od.nih.gov/factsheets/Biotin-Consumer



- [2] U.S. Food and Drug Administration. The FDA Warns that Biotin May Interfere with Lab Tests: FDA Safety Communication, November 28, 2017.
- [3] U.S. Food and Drug Administration. UPDATE: The FDA Warns that Biotin May Interfere with Lab Tests: FDA Safety Communication. November 5, 2019.
- [4] Roche Diagnostics. Biotin facts. biotinfacts.roche.com
- [5] Chun KY. Biotin interference in diagnostic tests. ClinChem. 2017;63(2):619-620.
- [6] U.S. Food and Drug Administration. Biotin Interference with Troponin Lab Tests Assays Subject to Biotin Interference.



# 12 Appendix D | Commercial Invoice



www.medpacelab.com

# **Commercial Invoice**

Complete and fax this form to Medpace Reference Laboratories at 001-513-366-3273 each time an international shipment is made.

Date of	of exportat	tion:					
Shippe	er/Exporte	er:			Consignee:		
Count	ry of Origi	n/Expoi	<u> </u>		Importer:		
	, 3	,			Same as above		
Interna	ational Tra	acking N	lumber		Country of Ultimate Desti	nation:	
Pkg. #.	No. of Vials	Unit	Description			Unit Value	Total Value
1		Each	diagnostic purposes	non-infed	ctious UN3373 Category B for c commercial value. Value for Tariff code 3002.12.0090		\$1.00
					th IATA Packing Inst. 650 / Substance Category B		
			neither inoculated w agricultural conc material contains no	Human blood, tissue or urine (human material that was neither inoculated with or exposed to infectious agents of agricultural concern, including zoonotic agents; the material contains no animal or non-human primate material and is not of tissue culture origin)			
			and are not for resa	These are research specimens for investigational use only and are not for resale, having no commercial value. The declared value for customs purposes only is \$1.00 (USD)			
Total	# Package	s	Total Weight	Tota	al Specimen Volume (mL)	Total Invo	ce Value
1				1010	ar opcomion voiamo (m2)	\$1.00 (USE	
	THESE C	ОММО	ITITES ARE LICEN	NSED FO	OR THE ULTIMATE DESTIN	IATION SHOV	/N
Print Name Tit				Title			
Sign N	Name				Date		



# 13 Appendix E | Alternate Specimen Handling/Shipping Arrangements

(page 1 of 2)

#### 13.1 Alternate Specimen Handling/Shipping Arrangements

Sites in the following locations send specimen shipments to MRL Cincinnati, OH, USA: North America, and Central and South America.

These instructions apply to emergency or other unusual circumstances that interrupt or affect normal shipping or delivery of samples to the central laboratory. Sites will be notified by MRL or the Sponsor/CRO when circumstances are such that alternate specimen handling and shipping arrangements should be implemented. Be alert for a message with specific instructions. If a site has concerns about shipping and has not received a message, information should be obtained from their CRA, from their MRL Project Manager, or by checking the MRL website.

#### 13.1.1 Suggested Contingency Specimen Handling

If safe transport cannot be assured within three to four days of collection, the Sponsor/CRO may direct that sites follow any of the suggested instructions:

- Perform safety chemistry, hematology, urinalysis, hemoglobin A1C, and other safety tests at a local laboratory.
- Retain an aliquot of 1 mL of safety chemistry serum, labeled with the chemistry specimen label, in a small transfer vial for later shipment to MRL. Freeze at -20°C ±5°C or below.
- Freeze serum or plasma for lipid profiles and reserves in the freezer at -20°C ±5°C or below.
- Maintain all frozen specimen at -20°C ±5°C or below until further notice.

#### 13.1.2 Specimen Shipment to Alternate Central Laboratory

In emergency situations, sites in North America, and Central and South America might receive written instructions from the central laboratory or Sponsor/CRO to re-route specimens to the MRL EU location:

Medpace Reference Laboratories BVBA

Attn: George Andronos Technologielaan 19 B-3001, Leuven Belgium

Tel: +32-16-407775 Fax: +32-16-407775

- · A blank courier airbill should be obtained from the local courier.
- For receiver, enter the address of Medpace Reference Laboratories BVBA as listed above.



#### (page 2 of 2)

· For description of contents, enter:

# BIOLOGICAL SUBSTANCE, CATEGORY B UN3373, PACKED IN COMPLIANCE WITH IATA PACKING INSTRUCTION 650

- Prepare **three copies** of a commercial/proforma invoice with the address of Medpace Reference Laboratories BVBA as the receiver of the package. The commercial/proforma invoice must contain the following information/statements (see Appendix E, Commercial Invoice):
  - · Number of samples, Total sample volume
  - Human Blood and Urine Specimens for Clinical Research / Diagnostic Purposes, Not Infectious / Not Contagious
  - Biological Substance, Category B; Packed in Compliance with IATA Packing Inst. 650 / Diagnostic Specimens UN3373
  - Human blood, tissue or urine (human material that was neither inoculated with or exposed to infectious agents of agricultural concern, including zoonotic agents; the material contains no animal or non-human primate material and is not of tissue culture origin)
  - These are research specimens for investigational use only and are not for resale, having no commercial value. Declared value for Customs purposes only.
  - · These commodities are licensed for the ultimate destination shown.

Medpace Reference Laboratories will provide you with the proper courier account number and will assist you in shipping the specimens correctly.



# 14 Appendix F | Quick Reference Chart

(page 1 of 4)

Page 1 of 4



SONOMA BIOTHERAPEUTICS

form	[c] 2	total	dunb 4 [5]	Gen		Mai		78	Ma					
he Pre-Treatments in the back of	tubes will be co	tubes will be co	se FK sample calls se should be calls	eral Note: Samp		Exploratory Markers - Plasma [c]	PK ddPCR	PBMC (collection) [b]	Exploratory Markers - Serum	ADA	Label			
[d] The Pre-Treatment visit samples may be redrawn any number of finnes. For redraws of the Pre-Treatment visit samples please use the Pre-Treatment Reassessment Visit 2 forms in the back of the requisition binder next to the Unscheduled Visit forms.	[c] 2 tubes will be collected at Fre-Treatment. For all other visits only 1 tube will be collected	[b] 4 Jubes will be collected at Pre-Treatment. 3 Jubes will be collected at Day 28, Day 54, Day 54, Day 168 and Day 336. For all other visits only 2 Jubes will be collected. X = total, C = Cellular Immunogenicity, E = exploratory blomarkers, E = RCL, number of Jubes for each collection designated for each visit as outlined in protocol SOA.	[o] The FK cample collected on study Day 2 should be collected of approximately the same time of day that the intuition of study drug took place on study Day 1 (*/- 1 hour). An un scheduled FK sample should be collected within 30 mitrules of a suspected intuition related event.	General Note: Samples collected outside the listed scheduled visits should use the Unscheduled Visit forms provided at the back of the requisition binder		4.0 mL K2EDTA	3.0 mL KZEDTA	10.0 mL NaHep	7.0 ml sst	7 ml sst	Collection			
eredrawn any numbe next to the Unschedul	ent. For all other visits	ent. 3 tubes will be co ploratory blomarkers,	r a suspected infusion re	the listed scheduled v		Plasma sample for exploratory markers	Blood sample for PK(ddPCR)	PBMC for Cellular Immunogenicity, Exploratory Biomarkers, RCL	Serum sample for exploratory markers	Serum sample for ADA	Teating	Study Day (Visit Window)	Study Week	Study Feriod
r of firmes. F	only 1 tube	R = RCL, nun	oximately the lated event.	ísits should u		×		X(±2) Ex2					-8 to -7	Screening
or redraws	will be colle	ay 28, Day t nber of tube	tame fime o	use the Unso	Footnotes								-6 to -1	Pre-Treatment [d]
of the Pre-Tr	ected.	56, Day 84, I	of day that the	cheduled VI	otes	X(x2)	*	E E (%)	*	*		-10 to -4	1	ment [d]
eatment vis		Day 168 an	e intusion of	slt forms pr								-		
sit samples		d Day 336. Sesignated	shudy drug to	ovided at t		×	χįα	X(x2)	×			N	_	
please use		For all othe for each vi	ok place on	he back of			×	X(12)				4 or 5		
the Pre-Tr		er visits only sit as outlin	atudy Day	the reguls		*	*	X(1:2)	×			721		
eatment Ro		2 tubes w	1 (+/- 1 hour	llion binde			*	X(x2) Ex2				11121	N N	
assessmen		II be colle	). An un sch			*	*	(x2)	×			1412		
nt VIsit 2		cted. X =	eduled FX			*	*	E (2)	*			2112	u	
						*	*	E (x)	*	*		2842	•	Safety Follow Up
						×	×	X(x2)	×			42±2	٥	llow Up
			0			×	×	E 6 (8)	×	×		56±2	œ	
			Î			*	×	X(x2) Ex2	×			70±2	10	
					Order of Draw	×	*	Exi Cxi X (xi)	×	×		84±3	12	
					Draw	*	*	X(12)	×			12617	ă	
			ļ			*	*	X (sd)	*			168±7	¥	
		(	0			*	×	X(x2)	×			25217	¥	
						×	×	(x) (x) (x)	×	×		336±7	48/83	
						×	×	E (x)	×	×				E



Medipace Reference Laborato Phone: 513.366.3270 Fax: 513.366.3273

Page 2 of 4

M E D **P A C E** 

SBT777101-01 Quick Reference Chart

SONOMA SIGNATURES

(c) The timing of the synovial blopsy and/or synovial field collection in may be changed based on evaluation of data from the first dose escalation (b) The synavial blopsy/fluid collection can be performed at or up to 1 week after the scheduled assessment visit. General Note: Samples collected outside the listed scheduled visits should use the Unscheduled Visit forms provided at the back of the requisition binder Cryo Synovial Biopsy Synovial Fluid Supernatant Synovial biopsy and/or synovial fluid collection during the Pre-treatment period should be performed after stiment and at least one week prior to the planned dosing visit. Label Bard Mission Needles and 12-Well Plates 4.0 mL NaHep Collection Study Day (Visit Window) Shudy Period Study Week Testing -8 to -7 (a) (a) X (a) × (a) -610-1 -10 to -4 4 or 5 cohot 7±1 Ħ м 1412 2112 6a Safety Follow Up X (b) (c) X (b) (c) X (b) (c) X (b) (c) 2812 ٨ 4212 0. 56±2 00 70±2 ĕ X (b) (c) (d) X (b) (c) (d) 84 F. 16817 2 25217 g 33617 48/ES X (c) (d) X (c) (d) X (c) (d) X (c) (d) Щ

Quick Reference Chart Date: 22Nov2023 Version 5



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# M E D P A C E

# SBT777101-01

Tube	ories
Collection & Processing	Quick Reference Chart
Aliquots	
Shipping	ВІОТ
z	BIOTHERAPI

Samole	Tibe	Collection & Proceeding	Allonois	Shorte	Notice
		Fill tube completely with blood.			
		Immediately after collection, gently invert tubes 5 times.			
	)	Allow tubes to clot for a minimum of 30 minutes post collection, keeping tubes vertical.			
ADA	0	Within 60 minutes of collection, centrituge at 1,800-2,200kg for 10-15 minutes to allow the gel barrier to migrate between the cell and serum layers. If the serum is not separated from the blood after centritugation, re-centrituge the sample until the serum is separated	4 x 2.0 mL Sarstedt microtube	Ship to MRL trozen in weekly	
		Using a transfer pipette, aliquot 0.5mL of serum each into the first $2\times2.0$ mL cryovials and divide the remaining serum between the other $2\times2.0$ mL cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.			
		Store at ≤-20°C until shipping			
	7.0 mL SST	Ship cryovials to MRL frozen in weekly batches.			
		Fill tube completely with blood.			
		Immediately after collection, gently invert tubes 5 times.			
	)	Allow tubes to clot for a minimum of 30 minutes post collection, keeping tubes vertical.			
Exploratory markers -		Within 60 minutes of collection, centrifuge at 1,800-2,200xg for 10-15 minutes to allow the get barrier to migrate between the cell and serum layers. If the serum is not separated from the blood after migrate between the containing the complete of the service o	Ax 20 ml Spreadt microhibe	Ship to MRI thozen in weekly	
Serum		Using a transfer ginette infinitely from a serial measurement and divide the		batches	
		remaining serum between the other 2 x 20mL cryovials, leaving a small amount on top of the separator gel. Discard the collection tube.			
		Store at ≤-20°C until shipping			
	7.0 mL SST	Ship cryovials to MRL frozen in weekly batches.			
		Fill all tubes completely with blood.			
PBMC (collection)		Gently invert 8-10 times to avoid clotting.	None	Ship to MRL ambient on day of	
		Do NOT Centrifuge. Do NOT open tube.		collection	
	10.0 mL NaHep	Ship tube to MRL ambient on day of collection			
		Fill all tubes completely.			
	)	Mix tubes after collection by gently inverting 8-10 times and immediately place on wet ice.			
Exploratory markers		Within 60 minutes of collection, centrifuge at 4°C at 1800g - 2200g for 10-15 minutes.		Ship to MRI thorses in weakly	
Plasma		Using a transfer pipette, aliquot 0.5 mL of plasma into each of 4(8 for Pre-Treatment) x 2.0 mL cryovials and freeze until shipment.	4 or 8 x 2.0 mL Sarstedt microtube	balches	
		Store at ≤-20°C until shipping			



Medpace Reference Lab Phone: 513,366,3270 Fax: 513,366,3273

# ŏ

M E D P **№** C E

Tube

Synovial Fluid Viable Cells

4.0 mL NaHer

Synovial Fluid Supernatant

4.0 mL NaHep

PK ddPCR

3.0 mL K2EDTA

Ship cryovials to MRL frozen in weekly batches.

freeze immediately on dry ice and keep at <-70°C until shipping.

Mix tube immediately after collection, gently inverting 8-10 times Using a pipette, divide blood equally between 2 separate aliquots

2 x 2.0 mL Sarstedt microtube

Ship to MRL frazen in weekly batches

Fill tube completely as a partial fill results in over anticoagulated plasma, impacting results of testing.

Collection & Processing

Cryo Synovial Biopsy

Bard Mission Needles and 12-Well Plates

FFPE Synovial Biopsy

Bard Mission Needles and 12-Well Plates

See Lab Manual for instruction

See Lab Manual for instruction.

2 x 2.0 mL Coming Cryovials

Ship to MRL frozen in weekly batches

1 x 20.0 mL tube

Ship to Mosaic Retrigerated (4C) day of collection

DO NOT SEND TO MRL

1 x 2.0 mL Coming Cryovials

Ship to MRL frazen in weekly batches

See Lab Manual for instruction

See Lab Manual for instruction.

2 x 2.0 mL Sarstedt microtube

Ship to MRL frozen in weekly batches

uick Reference Chart	SBT777101-01



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# 15 Appendix G | Re-Supply Form



#### LABORATORY RE-SUPPLY FORM – MRL UNITED STATES 22AUG2023 | V1

Scan completed form and email to MRL-US-PA@Medpace.com

Sonoma Biotherapeutics	SBT777101-01	SBT7101		
Sponsor	Protocol Number	Laboratory Study Code	Request Date	Date Supplies Needed
Site #/PI Last Name	Requester Name		Requester Email	
Order Prepared By		Date Shipped	Tracking #	
Delivery timeframe (from shi One Week Express Requests received before 3g		next business day.	Courier FedEx OCASA UPS Other:	
Requests received after 3pm	are processed within 2	business days.		

Internal U	ise Only	SUPPLIES	QUANTITY
Pack	QC	SUPPLIES	REQUESTED
		Laboratory Kits	
		Screening   Kit A	
		Pre-Treatment   Kit B	
		<ul> <li>W1D2, W1D7, W2D14, W3D21, W6D42, W10D70, W16D126, &amp; W36D252   Kit C</li> </ul>	
		W1D4or5 & W2D11  Kit D	
		• W4D26   Kit E	
		W6D56 & W46D336/ES   Kit F	
		• W12D84   Kit G	
		• W24D168   Kit H	
		• ET Kit	
		Miscellaneous Supplies	
		Corning CoolCell LX Cell Freezing Container	
		Cryostor CS10 Freezing medium 10 mL vial	
		Bard biopsy needles with coaxial introducers (14G – 10cm)	
		Bard biopsy needles with coaxial introducers (14G – 6cm)	
		Bard biopsy needles with coaxial introducers (16G – 10cm)	
		Bard biopsy needles with coaxial introducers (16G – 6cm)	
		12 well plate, flat bottom	
		Sterile scalpel	
		fine point forceps	
		70% Reagent Grade Alcohol	
		20mL SecurTainer (for FFPE samples transferred to Alcohol)	
		10% Neutral Buffered Formalin prefilled tube 20 mL/10 mL	





Internal Use Only		SUPPLIES	
Pack	QC	SUFFLIES	REQUESTE
		Shipping Supplies	
		Pre-Printed MRL Frozen Airway Bills	
		Pre-Printed MRL Ambient/Refrigerated Airway Bills	
		Pre-Printed Ambient/Refrigerated Airway Bills to Mosaic     Attn: Hillary Winkel/Jessica Macapulay     80 Empire Drive     Lake Forest, CA 92630	
		Medium Frozen Shippers	
		Ambient/Refrigerated Combo Shippers	
		95kPA Bag	
		UN3373, Biohazard, Overpack, Dry ice, Saturday Delivery Labels	
		Requisition Binders	
		Subject #s(range)	

	(unique)	
	Special Instructions:	

# 16 Appendix H | PBMC Sample Submission Form



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#### PBMC SAMPLE SUBMISSION FORM

Sponsor:	Sonoma Biotherapeutics
Protocol:	SBT777101-01
Site Name:	
Site Number:	
CRC Phone:	
CRC Email:	

#### IMPORTANT REMINDERS:

- Samples should be sent to MRL on the Day of Collection
- PBMC samples should be collected and sent Monday-Friday ONLY NO weekend shipments
- Please include a copy of this form in the box with the sample shipment

#### Subject Identification

	SO1 -	Site Number	Subject Number
FedEx Tracking Nu	ımber(s)		
Date of Colle	ection:	/ Month (Example: 18 / Jul /	/
Time of Collec	ction::	AM/PM (circle)	

Kindly fax and email this form before 3PM (EST)\* to:

Fax: +1.513.366.3273 Attn: Sample Processing Lab

E-mail: B.Meyer@Medpace.com and MRL-US-PM@Medpace.com

\*FedEx Tracking Number can be sent after 3PM (EST) to the above contacts.

