

SOP-PAIN-OMICS-0003-Plasma -Blood Sampling-v3.0

Version Number: 3.0

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Amended By: Manuela De Gregori Position: PhD Biologist

Date Amended: 10th March 2015

Project code: 602736	Date:
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Project Code:	602736	Operators:

Date:

Sample codes:

PO - acronym of center - progressive number of enrolment - GLY (for Glycomic study) to FOR PROSPECTIVE STUDY

PO - acronym of center - progressive number of enrolment - GLY (for Glycomic study) t1 (after 3 months) FOR PROSPECTIVE STUDY

PO - acronym of center - progressive number of enrolment - GLY (for Glycomic study) t2 (after 9 months) FOR PROSPECTIVE STUDY

PO - RT - acronym of center - progressive number of enrolment - GLY (for Glycomic study) FOR RETROSPECTIVE STUDY

PO -OSM - progressive number of enrolment - RNA (for miRNA study) t0 FOR PROSPECTIVE STUDY

PO - OSM - progressive number of enrolment - RNA (for miRNA study) t1 (after 3 months) FOR PROSPECTIVE STUDY

PO - OSM - progressive number of enrolment - RNA (for miRNA study) t2 (after 9 months) FOR PROSPECTIVE STUDY

Objective

Project code: 602736	Date:		
This document describes the proced laboratories.	ure for obtaining patient blood for p	olasma analysis techniques, e	extracting plasma and sending the plasma to
Tick and initial each box when stage	is complete.		
Health and Safety and F	Personal Protective Eq	uipment	
PPE that should be worn: Clean labo	ratory coat, safety glasses and po	wder free aloves	

Before starting of any blood sampling the workplace has to be well checked for cleanliness and hygiene. Between the examinations and blood collections of different study participants the surfaces of the workplace and the hands of the examiner have to be disinfected with suitable disinfectants.

Project code: 602736	Date:		
Equipment, Chemicals and Consumables Required			
Equipment	Asset Number	Last Calibration/Service Date	
Centrifuge			
Freezer -80°C/-20°C			
1ml pipette			
Tourniquet			
Consumables	Item Code	Batch No.	
21G/23G butterfly needle and syringe			
Vacutainer Blood Tube (EDTA)			
Nunc cryotubes 1.8mL (or other)			
1ml Pipette tips			
2ml Eppendorf tubes			
Information above completed			

Pro	oject code: 602736	Date:			
Ti	me Line for Plasma Procedure				
1 2 3 4 5 6	Coedure Collection of 1 patient blood sample Transfer to laboratory Leave the tube resting at the room temperature Centrifugation of plasma Transfer of plasma Freezing of plasma al time for procedure approximately:		prep 10 min actual centrifu	ıgation	
	ethod	130 1111	nutes		
IVI	etiloa				
1	Collection of blood samples Per patient 1 Vacutainer tube (EDTA tube) is Note patient details on tube. Collect blood sample from patient using "Tour		e method".		
	Time sample collection finished				
	Place tubes in cool box containing ice blocks a	and bring to lab within 6	hours. Samples should be	e kept cool (4°C) before	e the arrival to the lab.
2	Transfer of sample to lab				
	Time of sample arrival in lab				

SAMPLES MUST BE PROCESSED ON THE SAME DAY UPON ARRIVAL AT THE LAB!

Proje	ect code: 602736	Date:		
3	First centrifugation of plasma Leave the tube resting at the roo Place the tube in a centrifuge to Ensure tube is balanced with ec Set centrifuge to spin for 10 min	centrifuge it. uivalent water containing tube.		
4	Transfer of plasma Transfer plasma to a 2 mL eppe Do not disturb plasma/buffy coa	ndorf tube. Mark patient and sam t interface.	ple details.	
5	Second centrifugation of plase Place the eppendorf in a centrifue Ensure tubes are properly balar Set centrifuge to spin for 10 min	ıge. ced.		
6	Transfer of plasma Transfer 1 ml of plasma to a 2 n	nL cryotube, mark all sample detai	ils.	
7	Freezing of plasma samples Transfer processed plasma to	80°C, or -20°C freezer. Note sam	ples in freezer log book.	
	Time samples frozen	Date		
De	viations from Procedu	re		
Note	any deviations from the procedure her	re, giving reasons and effects		
Sig	n Off			
PAIN	N-OMICS sign off by operator		Supervisor	
Sign	ed Da	ate	Signed	Date

Project code: 602736	Date:		
Storage and Admin			
Storage: processed plasma to -80°C, or -20°C freezer. Note samples in freezer log book. Update sample storage system (books, Excel spreadsheet or LIMS software) with sample details.			
Sign Off			
PAIN-OMICS sign off by operator	SOF	sign off by supervisor	
Signed Date	Signed	Date	

Shipping of plasma samples

About 1 ml of plasma will be sent into cryotube to Professor Gordan, GENOS, Hondlova 2/11, 10000 Zagreb, Croatia. Please inform prof Gordan Lauc (glauc@genos.hr) of the shipment.

Aim/field of application/tasks

The transport of biosamples has to be performed strictly under standardized conditions to prevent a loss of sample quality. The purpose of this Standard Operating Procedure is to harmonize the shipping conditions of biosamples.

1. Responsibilities

Insert responsible person(s) here.

2. Work procedure

2.1. Description of operating procedure

Sample packing

Samples in tubes/vials

- ✓ Each tube/vial has to be clearly labeled (using a permanent marker). Use printed labels (barcodes) if possible.
- ✓ Tubes/vials should be packed in cardboard/plastic boxes, ideally in a styrofoam box (styrofoam, neopor...) with a coating thickness of at least 5 cm for adequate stability. A paperboard coated box is favored over a non-coated box. Avoid packing tubes in plastic bags. Paper toweling can be placed in the box to cushion the sample tubes/vials while transporting.

Samples in 96 well plates

- ✓ Each plate has to be clearly labeled. Use printed labels if possible.
- ✓ Plate should be firmly sealed with capmat to avoid spilling of samples.

Due to safety reasons, information concerning sender and recipient of the biosample delivery (address, contact person) are to be enclosed inside the package as well as information concerning sample type and position plan.

The paperboard or styrofoam boxes must be labeled with the required hazardous material tags (UN 1845).

Sample shipping

Shipping temperature

Ship plasma samples on dry ice. Ensure that the samples are properly packed to maintain the required temperature for the journey plus two days (see shipping days below).

The biosamples should be surrounded from all sides by a dry ice layer with a thickness of at least 5 cm. Vacuity above the dry ice layer should be filled-up with packing material or further dry ice in order to avoid a shift of the insulating bed (dry ice) during the transport. For reasons of dispersal, dry ice pellets (nuggets) are favored over dry ice blocks.

Shipping Days

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Shipment of samples typically takes up to 3 days. Ideally, shipments should be sent on Monday. Avoid shipping during National holidays (always check with recipient before sending).

Shipping

Paste up the package with sender and recipient information including contact person and phone number. Before shipping please inform the recipient on the following informations:

- ✓ Contact details
- ✓ Shipping details (shipping company, intended shipping date, shipment packaging and temperature)
- ✓ Sample details (total number of samples, complete list of samples)
- ✓ Sex of the samples (for quality checks)

After shipping, inform the recipient on waybill number for tracking of shipment.

An acknowledgement will be sent to the shipper when the samples have been received and checked.

The process is not completed till the recipient confirms the acceptance of the consignment.