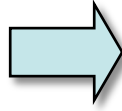


PMT STUDY SAMPLE COLLECTION FLOW SHEET

Phase 1 – Screening (all patients)

Blood #1

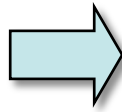
Sample type: Heparinized blood
Example: Sarstedt monovette LH/9ml
Purpose: Plasma metanephrines
Volume: 8-10 mL
Collection: Supine on ice, see SOP



Aliquots: 3 tubes plasma
Volume: 1.2 - 2 mL per tube
Disposition: 2 tubes lab, 1 bank
Follow SOP for processing, storage, labeling & shipping

Blood #2

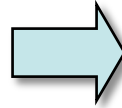
Sample type: Serum blood
Eg: Sarstedt monovette Serum-Gel 7.5mL
Purpose: microRNA
Volume: 6-8 mL
Collection: Supine on ice



Aliquots: 2 tubes serum; 1 clot
Volume: 1.5 - 2 mL per tube
Disposition: 2 tubes lab, 1 bank
Freeze and store -80°C & follow SOP for labeling etc

Urine #1

Sample type: 24 hour urine
Use local collection container
Purpose: Free & total metanephrines
Volume: Record total volume
Collection: Follow SOP

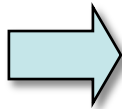


Aliquots: 3 tubes urine
Volume: 2-2.5 mL per tube
Disposition: 2 tubes lab, bank 1
Freeze and store -80°C & follow SOP for labeling etc

Phase 2 – Tumor verification/exclusion

Blood #3 – Baseline CLONIDINE

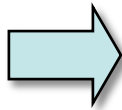
Sample type: Heparinized blood
Example: Sarstedt monovette LH/9ml
Purpose: Metanephrines & catecholamines
Volume: 8-10 mL
Collection: See SOP



Aliquots: 2 tubes plasma
Volume: 2 – 2.5 mL per tube
Disposition: 2 tubes lab
Follow SOP for processing, storage, labeling & shipping

Blood #4 - Baseline

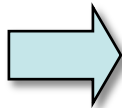
Sample type: EDTA blood
Example: Sarstedt monovette KE/4.0ml
Purpose: Plasma CgA & metabolomics
Volume: 3-4 mL
Collection: As above



Aliquots: 2 tubes plasma
Volume: 500 µl in a 1.5 mL Eppendorf safe lock tube, and remaining 1 – 2 mL in the other tube
Disposition: 2 tubes lab (1 Munich)
Follow SOP for processing, storage, labeling & shipping

Blood #5 – 180 min post CLONIDINE

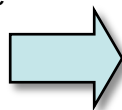
Sample type: Heparinized blood
Example: Sarstedt monovette LH/9ml
Purpose: Metanephrines & catecholamines
Volume: 8-10 mL
Collection: See SOP



Aliquots: 2 tubes plasma
Volume: 2 – 2.5 mL per tube
Disposition: 2 tubes lab
Follow SOP for processing, storage, labeling & shipping

Urine #2

Sample type: 24 HR plus OVERNIGHT urine
Use two local collection containers
Purpose: Overnight free metanephrines & 24 hr catecholamines
Volume: Record total volume
Collection: Follow SOP for split day & night collections using separate containers



Aliquots: 2 tubes overnight urine
2 tubes 24 hour urine
Volume: 2-2.5 mL per tube
Disposition: 4 tubes lab
Freeze and store -80°C & follow SOP for sample handling and labeling etc

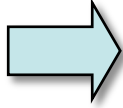
Phase 3 - Tumor characterization

Only for patients entering from PHASE 1 DIRECTLY

(NOTE: for those entering phase 3 from phase 2 all collections are already done in phase 2)

Blood #3

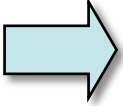
Sample type: Heparinized blood
Example: Sarstedt monovette LH/2.7ml
Purpose: Catecholamines
Volume: 2-4 mL



Aliquots: 1 tube plasma
Volume: 1 – 2 mL per tube
Disposition: 1 tube lab

Blood #4

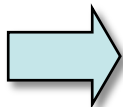
Sample type: EDTA blood
Example: Sarstedt monovette KE/4ml
Purpose: Plasma CgA & metabolomics
Volume: 3-4 mL



Aliquots: 2 tubes plasma
Volume: 500 µl in a 1.5 mL Eppendorf safe lock tube, and remaining 1 – 2 mL in the other tube
Disposition: 2 tubes lab (1 Munich)

Urine #2

Sample type: 24 hour urine
Use local collection container
Purpose: Catecholamines
Volume: Record total volume



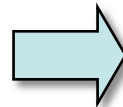
Aliquots: 2 tubes urine
Volume: 2-2.5 mL per tube
Disposition: 2 tubes lab
Freeze and store -80°C &

Phase 4 - Tumor follow-up

Post-operative samples (2-8 wks post-op): Only for patients with resectable tumors

Blood #6 (2-8 weeks post-op)

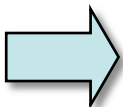
Sample type: Heparinized blood
Example: Sarstedt monovette LH/9ml
Purpose: Metanephrines
Volume: 8-10 mL



Aliquots: 2 tubes plasma
Volume: 1.5 – 2.5 mL per tube
Disposition: 2 tubes lab

Blood #7 (DNA)

Sample type: EDTA blood
Example: Sarstedt monovette KE/9ml
Purpose: DNA
Volume: 8-10 mL

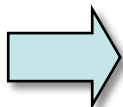


Aliquots: 3 tubes extracted DNA
Disposition: Banked
Follow SOP for DNA prep

One year follow-up samples: Only for patients with resectable tumors

Blood #8

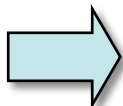
Sample type: Heparinized blood
Example: Sarstedt monovette LH/9ml
Purpose: Metanephrines & catecholamines
Volume: 8-10 mL



Aliquots: 2 tubes plasma
Volume: 1.2 – 2 mL per tube
Disposition: 2 tubes lab, 1 bank

Blood #9

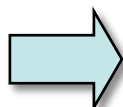
Sample type: EDTA blood
Example: Sarstedt monovette KE/4ml
Purpose: Plasma CgA & metabolomics
Volume: 3-4 mL



Aliquots: 2 tubes plasma
Volume: 500 µl in a 1.5 mL Eppendorf safe lock tube, and remaining 1 – 2 mL in the other tube
Disposition: 2 tubes lab (1 Munich)

Blood #10

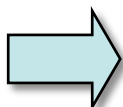
Sample type: Serum blood
Eg: Sarstedt monovette Serum-Gel 7.5mL
Purpose: microRNA
Volume: 6-8 mL



Aliquots: 2 tubes serum, 1 clot
Volume: 1.5 - 2 mL per tube
Disposition: 2 tubes lab, 1 bank

Urine #3

Sample type: 24 hour urine
Use local collection container
Purpose: Metanephrines & catecholamines
Volume: Record total volume



Aliquots: 4 tubes urine
Volume: 2-2.5 mL per tube
Disposition: 3 tubes lab, 1 bank