

## SAMPLE COLLECTION AND TRANSPORTATION PROTOCOL

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### SPECIMEN REQUIREMENTS

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#### **Whole Blood**

20ml blood sample in vacutainer tubes (T1 and T2) of collection kit

10ml (T1) whole blood in DCGL tube and 10ml (T2) whole blood in EDTA tube

#### **Fresh Tissue**

The sample should be collected in DCGL provided tissue tube (in the transport media and preservation solution) at 2C° to 8C°.

Tissue size for surgery/ excisional biopsy - 2cm<sup>3</sup> (2 x 2 x 2cm) tissue from grossly visible or suspicious tumour part. **OR** tissue size for incisional biopsy - in case of tissue bit - 1 x 1 x 1cm **OR** in case of core biopsy - 5 - 6 tissue cores of 1 - 1.2cm length each.

#### **OR FFPE Blocks**

Minimum one most recent (less than six-months-old preferably) FFPE block with adequate tumour tissue.

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### PRE-REQUISITES

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#### **Whole Blood**

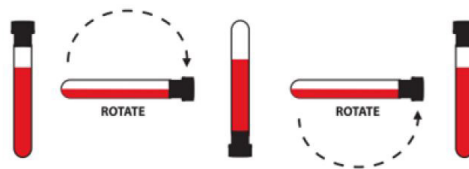
1. The patient must be fasting for 6 hours before blood sampling
2. The patient must NOT have undergone any of the following 24h prior to sample draw:
  - chemotherapy,
  - surgery,
  - radiation,
  - PET/ CT/ MRI/ radiation therapy/ any CT procedure,
  - blood transfusion.
3. The patient's case summary and copy of previous investigation reports should be provided as listed below:
  - a. Histopathology/ immunohistochemistry reports
  - b. Latest doctor's report
  - c. Chemotherapy/ radiation therapy details
  - d. PET/ CT scan details
4. Please completely fill the Test Requisition Form (TRF) and let the patient sign the TRF.

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## PROCESS OF BLOOD COLLECTION IN VACUTAINER TUBES

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1. Perform a venepuncture with a vacutainer needle or butterfly attached to the holder (BD vacutainer system).
2. Connect the **DCGL tube (T1)** to the needle which is attached with the holder and let **10ml** of blood accumulate in the tube.
3. Now connect the other vacutainer tube and collect **10ml** of the sample in the tube no. 2, which is the **EDTA tube**.
4. All the tubes must be filled in one single prick.
5. Release the tube from the adapter and immediately mix by **gentle inversions** 8 to 10 times.
6. Inadequate or delayed mixing may result in inaccurate test results. One inversion is a complete turn of the wrist, 180 degrees, and back as per the figure below:



## LABELLING AND ORDER OF BLOOD DRAW:

Tube	Tube Type	Label	Quantity	Temp.
T1	DCGL tube	Patient name, DOB, gender, date and time of collection	10ml	+2°C to +8°C
T2	EDTA tube	Patient name, DOB, gender, date and time of collection	10ml	+2°C to +8°C

7. The blood sample, collected in the DCGL and EDTA tubes, must be shipped immediately at +2°C to +8°C temperature.

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## PROCESS OF FRESH TISSUE SAMPLE COLLECTION

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1. Properly label the transport media sample tubes with complete patient identification details like name, DOB, gender, collection date and type of tissue.
2. We request fresh tissue samples of the following size for the analysis: 2cm<sup>3</sup> (in case of radical surgery/ excisional biopsy) or 1cm<sup>3</sup> (in case of incisional biopsy). If a larger bit is available, cut it into smaller pieces measuring approx. 5 x 5mm, before transferring it to the collection tubes. If possible, distribute the fresh tissue equally to the provided tubes.

3. In case of core needle biopsies 5 - 6 cores of length 1 - 1.2cms each are requested. Please distribute these equally to both tubes. However, if a smaller number of cores is collected, do not cut the tissue cores to distribute them in containers.
4. Make sure the tissue is completely immersed in the transport media and preservative solution of the provided tubes.

**NOTE:**

1. Tissue samples can be stored in the refrigerator (+2°C to 8°C) before shipping.
2. Do not collect/ store/ transport the sample in any other preservative or transport media other than that provided by DCGL.
3. Do not allow the fresh tissue sample to dry before shipping.
4. Do not freeze the fresh tissue sample.

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SHIPPING CONDITIONS

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1. Do not centrifuge blood specimen.
2. Please request the shipping materials from us at least 48h before blood sampling.
3. All the tubes should be properly labelled with patient name, DOB, gender, date and time of collection.
4. Do not use specimen collection tubes after expiration date.