

# Specimen Guidelines

To ensure accurate molecular profiling and optimal specimen processing, please follow the specimen guidelines below when submitting tumor samples. Use a Tempus collection kit to collect and ship specimens.

Tempus strongly suggests providing a matched normal specimen for solid tumor and lymphoma testing. We do not perform a normal match for leukemias. For solid tumors, saliva is accepted but blood is preferred. For lymphomas, only saliva is accepted.<sup>1</sup>

## TISSUE REQUIREMENTS

- Per CAP guidelines, patient material must be labeled with two identifiers<sup>2</sup>
- Tumor samples should be from the most recent procedure, if adequate for testing<sup>3</sup>
- FFPE Fixation Requirements:
  - 10% formalin fixation (neutral buffered) for 6–72 hours, paraffin embedded
  - **EDTA is the only accepted method of decalcification**
- Tumor required to be at least 20%<sup>1</sup> of the sample by ratio of tumor nuclei to benign nuclei<sup>4</sup>
- Optimal tumor size<sup>3</sup> = 25 mm<sup>2</sup>, minimum = 5 mm<sup>2</sup>

## CIRCULATING HEMATOLOGIC MALIGNANCY REQUIREMENTS

Please send CBC with differential, flow cytometry results, and/or bone marrow pathology report.

- At least 20% tumor content
- Specimen must ship to Tempus via FedEx Overnight on the same day it is collected
- **No freezing of the samples is preferred**

### Bone Marrow:

Minimum 1 mL bone marrow aspirate in an EDTA tube (lavender top)

### Peripheral Blood:

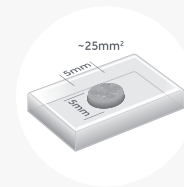
Minimum 8 mL peripheral blood in an EDTA tube (lavender top)

<sup>1</sup> If providing a non-preferred sample type or if you have questions regarding normal-matched sequencing for hematological malignancies or leukemias, please contact our support team before shipping samples.  
<sup>2</sup> Specimens received with only 1 identifier may experience delays in report delivery.  
<sup>3</sup> Specimens older than 5-6 years or smaller than 5 mm<sup>2</sup> are more likely to be insufficient for testing and/or require longer processing times.  
<sup>4</sup> Required to be at least 40% for xE panel.

## SENDING SAMPLES

Send via priority overnight shipping using the prepaid shipping labels and Clinical Packs provided in the Tempus kits.

**To order Tempus tissue collection kits, contact your Tempus representative or contact us at [support@tempus.com](mailto:support@tempus.com) or 800.739.4137**

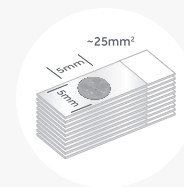


## BLOCKS

(Preferred collection method)

- 1** FFPE block with greatest tumor content
- 1** H&E stained slide, optional

*If you would like us to evaluate quality, please send up to 3 blocks with a return address provided*



## SLIDES

(5µm sections on positively charged, unbaked slides)

- 10** FFPE unstained slides for NGS  
*Submit 10 additional slides if tissue size is <25 mm<sup>2</sup>*
- 1** Terminal H&E stained slide
- 6** Additional FFPE unstained slides when DNA mismatch repair (MMR) protein panel IHC is ordered
- 3** Additional FFPE unstained slides when PD-L1 IHC is ordered