

Specimen Guidelines for Providers

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.¹

TISSUE REQUIREMENTS

- Per CAP guidelines, patient material must be labeled with two identifiers²
- Tumor samples should be from the most recent procedure, if adequate for testing³
- 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%¹ of the sample by ratio of tumor nuclei to benign nuclei⁴
- Optimal tumor size³ = 25 mm², minimum = 5 mm²

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)

¹ 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.

² Specimens received with only 1 identifier may experience delays in report delivery.

³ Specimens older than 5-6 years or smaller than 5 mm² are more likely to be insufficient for testing and/or require longer processing times.

⁴ 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 or 800.739.4137



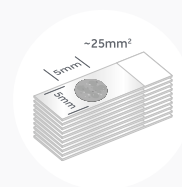
BLOCKS

(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 mm²

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