

Genetic
Diagnostics

Specimen Guidelines for Tumor Diagnostics



Specimen Guidelines for Tumor Diagnostics

The quality of the analysis results highly depends on the starting material. To prevent possible issues, we would highly recommend following the suggested guidelines for the samples.

Solid Tumor Tissue Samples

Accepted Sample Types

- ✗ Tumor content must be at least 20%
- ✗ FFPE tumor block (min. tissue size 5 x 5 x 5 mm)
- ✗ Unstained FFPE tumor tissue slides (min. 10 slices 4-10 µm, tissue size 5 x 5 mm)
- ✗ Fresh frozen tumor tissue



We recommend sending the complete FFPE block for analysis if possible. **In case additional testing should be performed, please make sure to include additional tumor slides accordingly.**

Please include the corresponding histopathology reports along with the FFPE sample. We recommend to include the H&E staining slide as well.

FFPE Fixation Recommendations

- ✗ Biopsy samples should be fixed as soon as possible after operation, in 10% neutral buffered formalin.
- ✗ Fix the tissue in formalin at room temperature or at 4 °C, avoid over-fixation in formalin for several days (fixation for less than 24 hour is generally sufficient, depending on the tissue size)
- ✗ Store FFPE tissue in a cool and dry place, avoid direct sunlight.
- ✗ To ensure the highest DNA and RNA quality, the FFPE tissue should be analysed as soon as possible after fixation and embedding.

Liquid Biopsy Sample

Accepted Sample Types

- ✗ 3×10 ml cfDNA tubes (e.g. STRECK tubes)



Important Points

- ✗ The samples should be stored and shipped at room temperature. Please **do not freeze** the sample.
- ✗ These are very time sensitive samples and should arrive as soon as possible, maximum 7 days after collection.
- ✗ For CancerPrecision® analysis at least 20% tumor content is required.
- ✗ Please make sure to label each of the tubes with patient's details to avoid issues in processing.

Normal Tissue Sample Requirements

Accepted Sample Types

- ✗ 1-2 ml EDTA blood
- ✗ Genomic DNA (1-2 μg)

Recommended sample type: EDTA blood



Important Points

- ✗ The samples should be sent at room temperature and should arrive ideally as soon as possible, latest 14 days, after collection.
- ✗ In case shipment right away is not possible, the sample can be stored in the refrigerator or at room temperature in a dry place and sent the next day.
- ✗ Please **do not freeze** the blood sample.
- ✗ Please **do not** expose the blood tube to direct sunlight.
- ✗ Please make sure to label the tube with patient's details to avoid issues in processing.

Further Resources



Order Sample Collection Kits

Please scan the QR code or visit our [website to order the shipping materials you need.](#)

Questions about sample type/order/unclarities?

Please contact us at tumor@cegat.com and we are happy to support you further.



Detailed Shipping Instructions

Please scan the QR code or visit our [website to access detailed shipping instructions.](#)

Problem with shipping/customs?

Please contact us at logistics@cegat.com and we are happy to support you further with shipment issues.



About Us

CeGaT is a global provider of genetic analyses for a wide range of medical, research, and pharmaceutical applications.

Founded in 2009 in Tübingen, Germany, the company combines state-of-the-art sequencing technology with medical expertise – with the aim of identifying the genetic causes of diseases and supporting patient care. For researchers and pharmaceutical companies, CeGaT offers a broad portfolio of sequencing services and tumor analyses. CeGaT generates the data basis for clinical studies and medical innovations and drives science forward with its own insights.

The owner-managed company stands for independence, comprehensive personal customer service, and outstanding quality. CeGaT's laboratory is accredited according to CAP/CLIA, DIN EN ISO 15189, and DIN EN ISO/IEC 17025 and thus meets the highest international standards. To obtain first-class results, all processes are carried out in-house under scientific and medical supervision.



Accredited by DAKKS according to
DIN EN ISO/IEC 15189:2014



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