



SPECIMEN SAMPLE REQUIREMENTS

THE SPECIMENS MAY BE SHIPPED TOGETHER, OR EACH ONE MAY BE SHIPPED SEPARATELY TO HUMAN LONGEVITY

HLI will need to obtain two specimens from your patient to process the HLIQ Oncology Analysis. These include the tissue sample from the patient's tumor, as well as a blood specimen to sequence the patient's germline (normal) DNA. HLI will perform whole exome sequencing of both specimens to identify the genetic variants that are specific to the tumor and may be targets for cancer treatment.

RECOMMENDED SPECIMENS*

Tumor Tissue (in order of preference)

FFPE block

- Formalin fixed paraffin embedded tissue specimen. Use the standard fixation methods. 10% neutral-buffered formalin (volume 10:1 of formalin to tissue) for 6-72 hours is the industry standard. Please use the cool pack provided during transport for overnight delivery.

FFPE slides

- Formalin fixed paraffin embedded tissue specimen. 11 unstained serial sections of an optimal size of 25 mm² at a thickness of 5 mm, preferably without significant necrosis or inflammation (30% tumor nuclei). Sections should be unbaked and mounted on positively charged slides. HLI will assess percentage of tumor tissue, to determine test feasibility. Please use the cool pack provided during transport for overnight delivery.

Germline

Blood

- Lavender top tubes (EDTA), with a minimum 2.5-ml specimen volume required. Ship within 48 hours of collection for optimal sample stability. Keep refrigerated for storage and shipping. Do not freeze. Please use the cool pack provided during transport for overnight delivery.

Transportation

Use overnight shipping. If specimens are obtained on a Friday, please store each type of specimen according to its particular requirements, then proceed with overnight-shipping the specimens the following Monday.

Specimen Identification

Label each specimen with at least two patient identifiers (Patient's name, date of birth, date of collection, Medical record number, HLI test order ID).

*Sequencing results cannot be guaranteed for specimens other than those recommended. If you would like to use specimens other than what are suggested, please contact HLI to determine feasibility.