

IBBL Biospecimen Proficiency Testing 2025 Programme

Instructions for Participants

Thank you for participating in the IBBL Biospecimen Proficiency Testing Programme!

Below are a few points to guide you through the testing/processing process:

- 1) Depending on your Scheme(s) registration, you will receive **different Test** and/or **Processing Items**, which are:
 - a. Matrix tubes with DNA, for the “DNA Quantification and Purity” and “DNA Integrity” Schemes
 - b. Matrix tubes with RNA, for the “RNA Quantification and Purity” and “RNA Integrity” Schemes
 - c. Cryovials with frozen Jurkat cells, for the “Cell Viability” Scheme
 - d. Access to photos of human tissues, for the “Tissue Histology” Scheme
 - e. PaxGene Blood DNA tube containing whole blood, for the “DNA Extraction from Whole Blood” Scheme
 - f. PaxGene Blood RNA tube containing whole blood, for the “RNA Extraction from Whole Blood” Scheme
 - g. FluidX tube with frozen buffy coat, for the “DNA Extraction from Buffy Coat”, “RNA Extraction from Buffy Coat” Schemes
 - h. Microtube containing sections of FFPE tissue, for the “DNA Extraction from FFPE Tissue”, “RNA Extraction from FFPE Tissue” Schemes
 - i. Microtube containing a frozen tissue core, for the “DNA Extraction from Frozen Tissue”, “Total RNA Extraction from Frozen Tissue” and “Dual DNA/RNA Extraction from Frozen Tissue” Schemes
 - j. Matrix tubes containing frozen liquid CSF, for the “CSF Aliquoting” Scheme
 - k. Omnigene.Oral tube with saliva, for the “Microbial DNA Extraction from Saliva” Scheme
 - l. Zymo Fecal Collection tube with stool, for the “Microbial DNA Extraction from Stool” Scheme
 - m. PAXgene ccfDNA of stabilized whole blood spiked with ultramers, for the “Cell-Free DNA (cfDNA) Extraction from Whole Blood” Scheme
- 2) A **Test Item Information Sheet (TIIS)**, or a **Processing Item Information Sheet (PIIS)**, is included in the shipment and contains basic information about the samples. Please **read it carefully**. Store and handle the samples until use as indicated. You may also refer to this Sheet to identify the suitable buffer to perform any dilution required for your measurements. Extra-copies of TIIS and/or PIIS can be downloaded on the LIH website (<https://www.lih.lu/en/biospecimen-proficiency-testing/>).
- 3) **IBBL recommends that you use your routine protocol when processing or analysing the samples.** For any technical issues during your processing or testing, you can address an email to ISBERPT@lih.lu which will put you in contact with our experts in the field of your PT Scheme.
- 4) At the end of the PT Scheme, you are encouraged to complete the Customer Satisfaction Survey. For any suggestion on current or future Schemes, feel free to send us an email at ISBERPT@lih.lu.

Good luck with the processing and/or testing!