



# IBBL BIOSERVICES

## BIOSPECIMEN PROFICIENCY TESTING

# WHAT IS PT?

The Biospecimen Proficiency Testing (PT) programme works as an external quality assessment tool for laboratories working with biospecimens, including biorepositories, clinical laboratories, research organisations and bioservice providers. It allows them to verify and compare the performance of their processing and testing methods with the one of other participants worldwide.

The PT programme is a service provided by IBBL (Integrated BioBank of Luxembourg), an autonomous not-for-profit institute dedicated to service provision in the biomedical sector. As an ISO 9001 (general quality management) certified organisation compliant with the principles of ISO 17025 accreditation (competence of testing and calibration laboratories) and NF S96-900 certification (quality of biological resource centres)\*, we offer a full range of bioservices to industry, academia and EU consortia.

The PT programme is endorsed by the International Society for Biological and Environmental Repositories (ISBER).



\* The full accreditation scope is available on [www.ibbl.lu/about-ibbl/#quality](http://www.ibbl.lu/about-ibbl/#quality)





# WHY PARTICIPATE?

If you are a laboratory working with biospecimens, a biorepository, a research organisation or a bioservice provider, consider signing up in order to:

✓ **VALIDATE YOUR ROUTINE LAB METHODS**

IBBL's PT programme provides an external quality assessment tool to verify the precision and accuracy of your biospecimen testing methods, and the efficiency of your processing methods.

✓ **COMPARE YOUR PERFORMANCE TO OTHERS**

The principle of performance benchmarking applied in our PT programme means that your results will be compared to those of other laboratories, from different sectors all over the world.

✓ **COMPLY WITH CERTIFICATION & ACCREDITATION REQUIREMENTS**

Proficiency testing offers organisations that are seeking compliance with ISO 17025, ISO 15189, CLIA, CAP or equivalent, the opportunity to fulfil the respective normative requirements.

✓ **IMPROVE PERFORMANCE & PROVE CONSISTENCY**

The assessment of your laboratory's proficiency allows you to monitor and improve performance by identifying potential problems and providing additional motivation. Regular participation in our PT programme will also prove consistency of performance over time.

✓ **GAIN CREDIBILITY & VISIBILITY**

By participating in our PT programme you can assure customers, collaborators, funding agencies and regulatory bodies of the validity of your results. This can help build your reputation for high quality laboratory methods and gain international visibility.

# HOW DOES PT WORK?

The PT programme works as an external quality assessment tool that lets you verify and benchmark the performance of your biospecimen processing and testing methods through the following steps:

1



STANDARDISED SAMPLES

Once registered, you receive standardised samples produced and shipped by IBBL to your laboratory.

2



ROUTINE METHODS

You use either:  
your routine processing method to extract the samples or  
your routine testing method to characterise the samples.

3



EXTRACTED  
SAMPLES



RESULTS

You send us:  
the extracted samples (processing) via mail, or  
the results (testing) via an online platform.

4

STATISTICAL ANALYSIS  
& BENCHMARKING



We analyse the received samples, gather the results from all participants and perform statistical analyses and benchmarking.



# WHAT DO YOU RECEIVE?

## PERSONALISED REPORT

with detailed statistics that show your laboratory's performance compared to others



## CERTIFICATE OF PARTICIPATION



## LABEL OF PARTICIPATION



# MEET OUR EXPERT

Amélie Gaignaux presents  
PROJECT MANAGER

BIOSPECIMEN  
PROFICIENCY  
TESTING



<https://vimeo.com/167238407>



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Find out how good  
your lab methods are!

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